SHARP

SERVICE MANUAL
SERVICE-ANLEITUNG

S00J1XVDW100U

SUPPLEMENT

LCD PROJECTOR
LCD PROJEKTOR

MODELS
MODELLE

XV-DW100U
PG-C30XU/XE
XG-P10XU/XE
XG-V10WU/WE

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

This service manual is mentioned about the service of the model which has a colour irregularity correction function.

In dieser Service-Anleitung wird der Service für Modelle mit Farbunregelmäßigkeitskorrektur-Funktion beschrieben.

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SHARP CORPORATION

1. COMPLYING WITH THE COLOR IRREGULARITY CORRECTION.

Replaced part.	Usual correspondence	Special correspondence.
1.LCD panel	Color irregularity correction (Refer to section 2)	1. Automatic color irregularity correction system (fine adjustment, see Section 4.) 2. Manual color irregularity correction software (rough adjustment, see Section 5.)
2.PC board	Color irregularity correction (Refer to section 2)	See "Replacing the PC board" on page 36.
3.Lamp	Adjustment of the lamp duct (Refer to section 3)	1. Automatic color irregularity correction system (fine adjustment, see Section 4.) 2. Manual color irregularity correction software (rough adjustment, see Section 5.)

2. COMPLYING WITH THE COLOR IRREGURARITY CORRECTION WHEN THE LCD PANEL AND PC BOARD ARE REPLACED

When not use color irregularity correction system.

XV-DW100U

No.	Adjusting point	Adjusting conditions	Adjusting procedure
1	**Color irregularity correction Reset**	1. Make the following choice. Group : NOKO Subject : CC	• Make the following setting. Subject : CC Setting : OFF (color irregularity correction OFF)
2	**Saw-tooth correction (G), (R)**	1. Feed the gray only signal. (XGA 60Hz) 2. Check for uneven color spot on the screen. 3. Make the following choice. Group : NOKO Subject : NOKO-RL	• If the color is irregular, adjust the setting of NOKO-RL ON and OFF to minimize the right-hand and left-hand color irregularity. • If there is no color irregularity, turn off the saw-tooth correction using SW4201. • NOTE: Group NOKO If the setting of NOKO-LH is "OFF" or SW4201 is "OFF", saw-tooth correction does not function. When perform the saw-tooth correction, set the NOKO-LH to "ON" and SW4201 to "ON".
3	**Saw-tooth correction gain**	1. Feed the gray only signal. (XGA 60Hz)	• Adjust R4215 to minimize the right-hand and left-hand color irregularity.

PG-C30XU/XE

No.	Adjusting point	Adjusting conditions	Adjusting procedure
1	**Color irregularity correction Reset**	1. Make the following choice. Group : NOKO Subject : CC	● Make the following setting. Subject : CC Setting : 0 (color irregularity correction OFF)

XG-P10XU/XE/XE

No.	Adjusting point	Adjusting conditions	Adjusting procedure
		1. Make the following choice. Group : NOKO Subject : CC	● Make the following setting. Subject : CC Setting : 0 (color irregularity correction OFF)
2	**Saw-tooth correction**	1. Feed the gray only signal. (XGA 60Hz) 2. Check for uneven color spot on the screen. 3. Make the following choice. Group : NOKO Subject : NOKO-RL	● If the color is irregular, adjust the setting of NOKO-RL ON and OFF to minimize the right-hand and left-hand color irregularity. ● If there is no color irregularity, turn off the saw-tooth correction using SW4201. ● NOTE: Group NOKO If the setting of NOKO-LH is "OFF" or SW4201 is "OFF", saw-tooth correction does not function. When perform the saw-tooth correction, set the NOKO-LH to "ON" and SW4201 to "ON".
2	**Saw-tooth correction gain**	1. Feed the gray only signal. (XGA 60Hz)	● Adjust R4215 to minimize the right-hand and left-hand color irregularity.

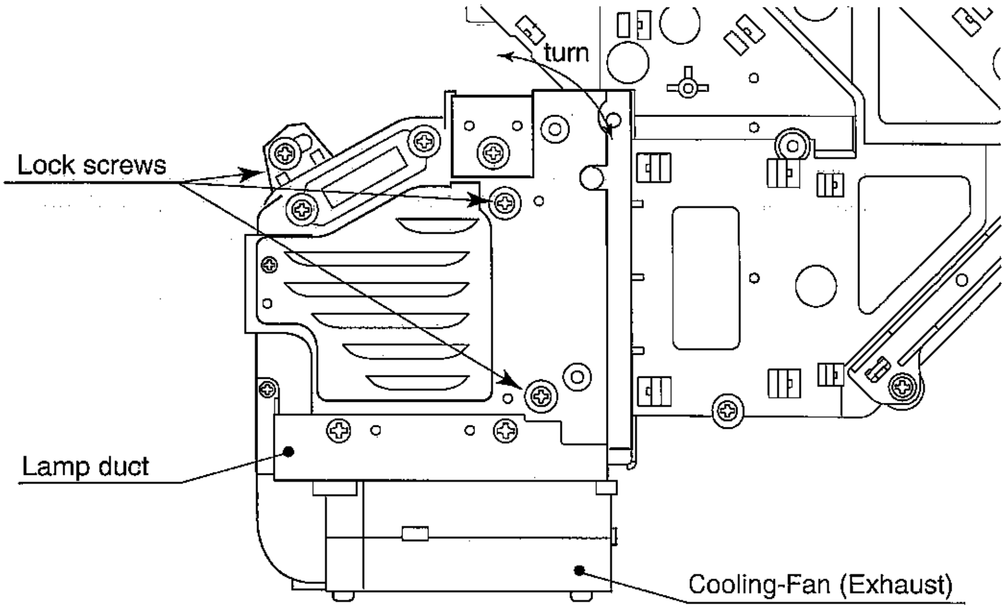
XG-V10WU/WE

No.	Adjusting point	Adjusting conditions	Adjusting procedure
1	**Color irregularity correction Reset**	1. Make the following choice. Group : NOKO Subject : CC	● Make the following setting. Subject : CC Setting : 0 (color irregularity correction OFF)
2	**Saw-tooth correction (G), (R)**	1. Feed the gray only signal. (XGA 60Hz) 2. Check for uneven color spot on the screen. 3. Make the following choice. Group : NOKO Subject : NOKO-G Select the subject NOKO-R for the R Color.	● If the color is irregular, adjust the setting NOKO-G or NOKO-R to minimize the right-hand and left-hand color irregularity. ● If there is no color irregularity, turn off the saw-tooth correction using SW4201 (green) and SW4202 (red).

3. COMPLYING WITH THE COLOR IRREGULARITY CORRECTION WHEN THE LAMP WAS REPLACED

XV-DW100U

Adjusting the lamp duct.

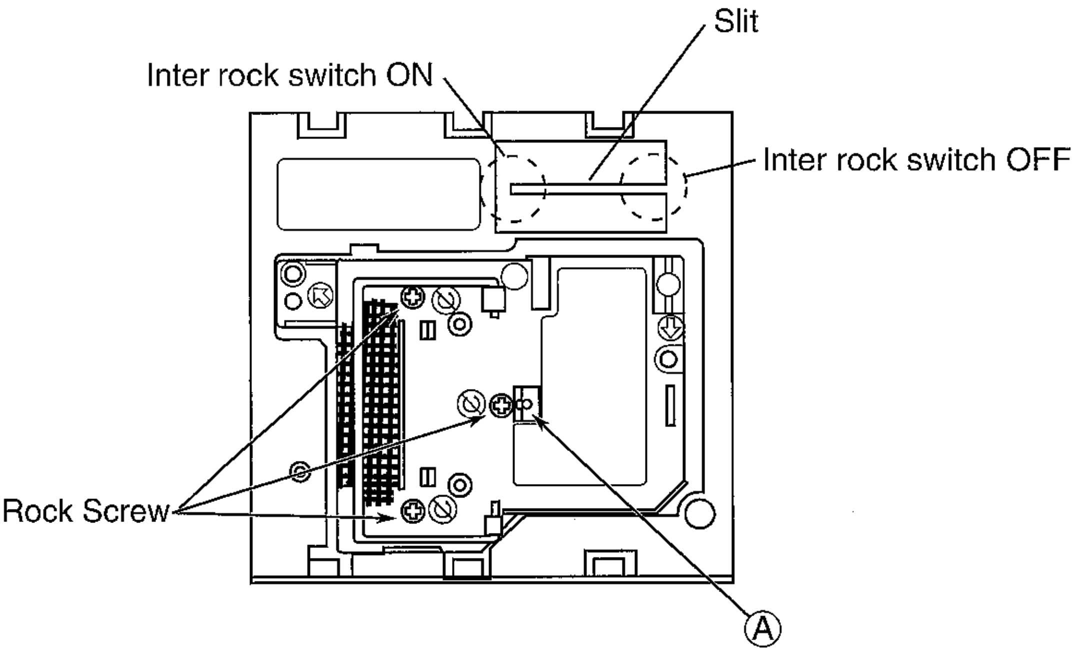


Adjustment procedure reguired when the lamp has been replaced and you can see ununifomity. (Case of Right and Left have ununifomity on the screen)

(1) Let the lamp light up.
(2) Receive the white pattern signal at 100%.
(3) Loosen the lock screws of the lamp duct.
(4) Looking at the white image on the screen, turn the lamp duct until the uniformity comes to best point on the screen.
(5) Tighten the lock screws of the lamp duct. (Tighten torque is 10±2kg-cm)

PG-C30XU/XE

Adjusting the lamp duct.

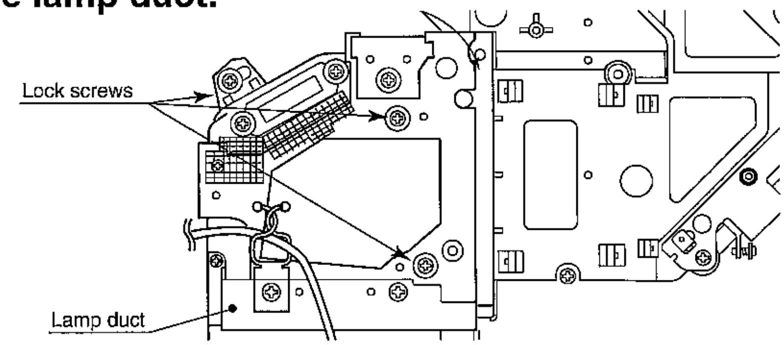


Lamp Unit (Bottom veiw)

(1) Put a projector in the up-down reverse.
(2) Remove a lamp door from the projector itself.
(3) Insert a thing like a thin plastic into slit of the figure. Push the left of Inter Rock Switch, and make it ON. It becomes OFF when the right is pushed.
(4) Loosen 3 screw.(1/2 turns)
(5) Put an eccentric screwdriver (9DADRiVER-NV4U) to the point Ⓐ. Turn an eccentric screwdriver, and look for the place where color irregularty decreases most with seeing a white screen.
(6) Fix loosened screws.
(7) Press the outside of the inter lock switch.
(8) Return a lamp door to the cause.

XG-P10XU/XE

Adjusting the lamp duct.

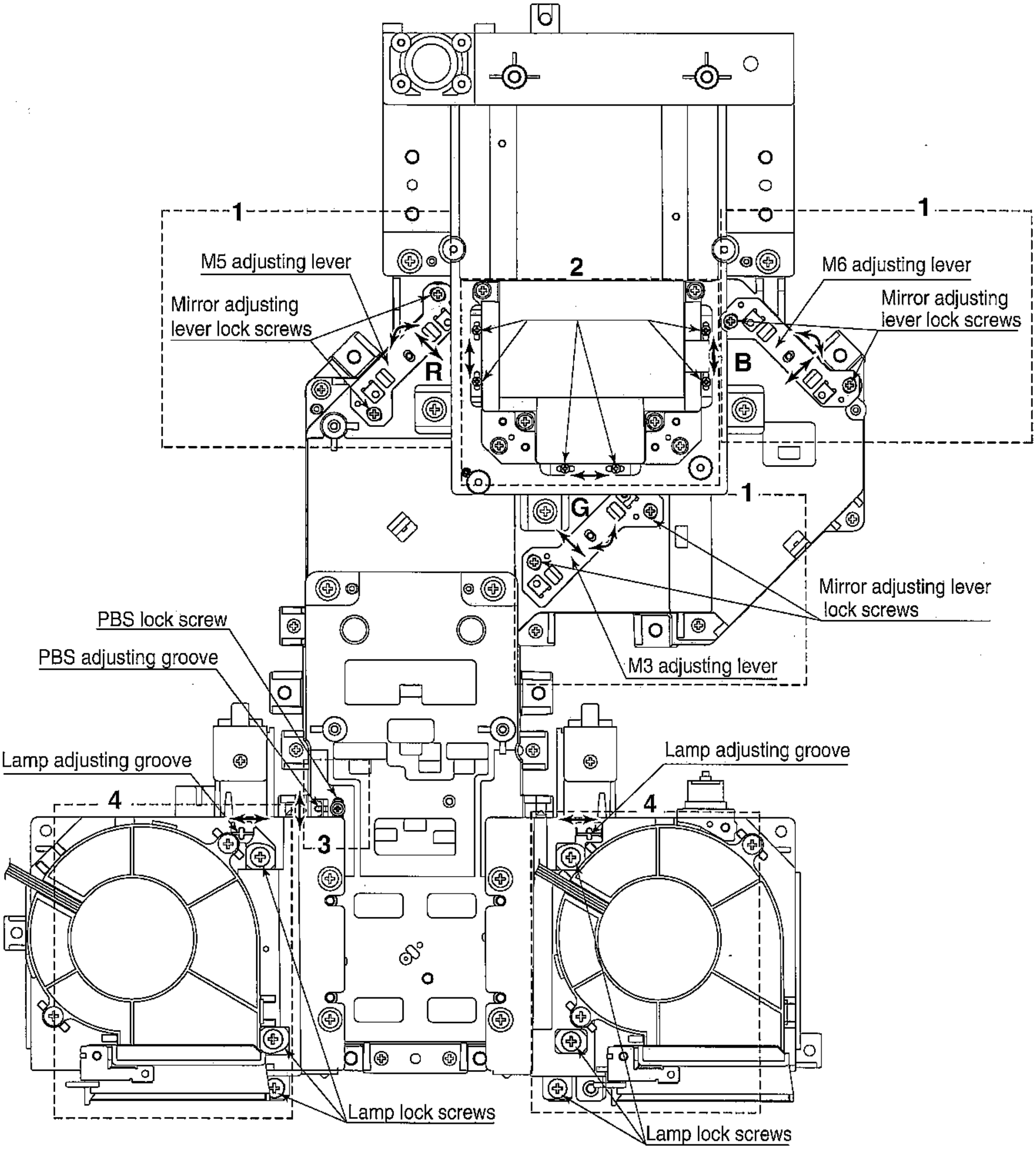


Adjustment procedure reguired when the lamp has been replaced and you can see ununifomity. (Case of Right and Left have ununifomity on the screen)

(1) Let the lamp light up.
(2) Receive the white pattern signal at 100%.
(3) Loosen the lock screws of the lamp duct.
(4) Looking at the white image on the screen, turn the lamp duct until the uniformity comes to best point on the screen.
(5) Tighten the lock screws of the lamp duct. (Tighten torque is 10±2kg·cm)

XG-V10WU/WE

Adjusting the lamp optical axis


1
1
2
M5 adjusting lever
Mirror adjusting lever lock screws
R
M6 adjusting lever
Mirror adjusting lever lock screws
B
1
G
Mirror adjusting lever lock screws
PBS lock screw
PBS adjusting groove
M3 adjusting lever
Lamp adjusting groove
Lamp adjusting groove
4
3
4
Lamp lock screws
Lamp lock screws

The lamp optical axis is optimized to obtain the best color evenness and brightness. Usually there is no need to make this adjustment because the replacement lamp unit (BQC-XGV10XU/1) has been delivered factory-adjusted.

(1).Turn on the power.

(2).Loosen the three lamp lock screws.

(3).Feed a white-only signal, or call the process mode and get the screen white only.

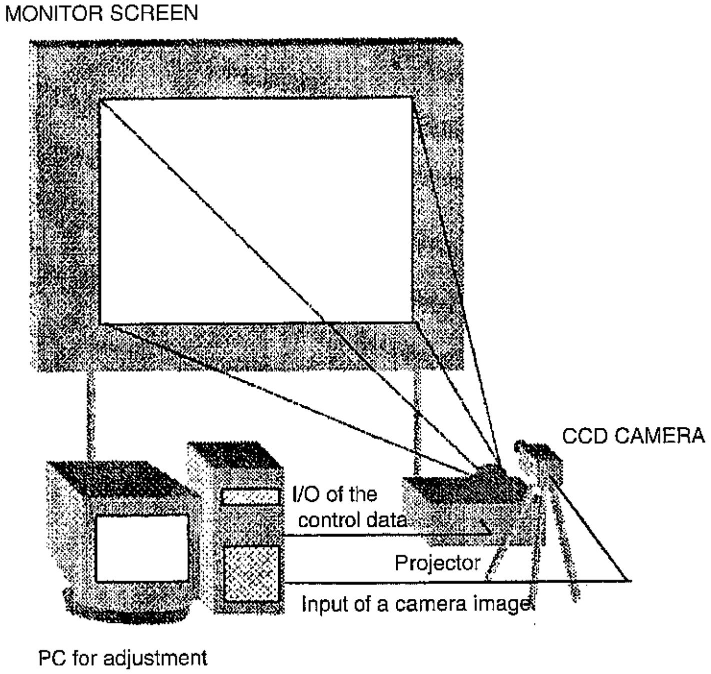
(4).Put the eccentric screwdriver (9EQDRiVER-NV1A) in the lamp adjusting groove.

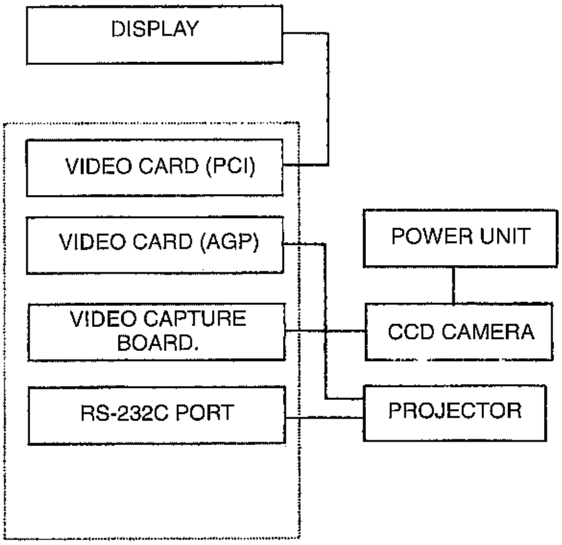
(5).Watching the image on the screen, turn the eccentric screwdriver until the right-and-left colors onscreen become most even. Finally tighten up the lock screws.

4. AUTOMATIC COLOR IRREGULARITY CORRECTION SYSTEM

4-1. Automatic color irregularity correction system hardware

4-1-1. Appearance figure and Block diagram


MONITOR SCREEN
CCD CAMERA
I/O of the control data
Projector
Input of a camera image
PC for adjustment


DISPLAY
VIDEO CARD (PCI)
VIDEO CARD (AGP)
POWER UNIT
VIDEO CAPTURE BOARD.
CCD CAMERA
RS-232C PORT
PROJECTOR

4-1-2. Necessary composition goods and specification

Order the Video Capture Board (No. 3) to Japan. Procure all the others locally.

Necessary composition parts	SPECIFICATION
1. Personal computer and Monitor.	●CPU Pentium III 450MHz or more. (It has the possibility that a treatment speed becomes slow though even the CPU of the specifications of this and under moves.) ● Chip set Intel 440BX Recommend (See note below) ● Memory SDRAM 64MB or more ● Free capacity of the hard disk 20MB or more (Keep data for the adjustment. Use the hard disk whose capacity is big as much as possible). ● CD Rom Drive It is necessary to install software. ●Video card (AGP) Complying with the multi monitor. Resolution 1280 x 1024 or more. Recommended 16bit color.

Necessary composition parts	SPECIFICATION
	● Free slot PCI Bus x 2 or more ● Display Recommend 17 inches and more
2. Video card (PCI)	Complying with the multi monitor. Resolution 1280 x 1024 or more. Recommended 16bit color. * Combine with the AGP video card of a personal computer to use, and select the PCI video card that multi monitor moves normally. Please ask the manufacturers of the personal computer and video card about the details.
3. Video capture board (To be ordered to Japan.)	RUNTK0698CEZZ (FDM-PCI/RGB Manufactured by PHOTRON Ltd.)
4.CCD CAMERA	XC-003 NTSC (Manufactured by Sony Co.,Ltd.)
5.Power Unit of the CAMERA	DC-777 (Manufactured by Sony Co.,Ltd.)
6.Lens	VCL-08WM (Manufactured by Sony Co.,Ltd.) or J6X11 (Manufactured by Canon Co.,Ltd.)
7.OS	WIndows®98, Windows®98 SecondEdition
8.Color irregularity correction software	Manufactured by Sharp Corp.
9.Connection Cables	CCXC-9DD x 1 (RGB Camera cable): Manufactured by Sony Co.,Ltd. CCXC-12P05S x 1 (Camera power cable): Manufactured by Sony Co.,Ltd. Display cable (on marketing) RS-232C Cross cable (on marketing)

NOTE :

This software doesn't run with the personal computer which the following chip set was carried on. (This software doesn't run in a chip set of the UMA specification.)

Intel : 82430VX, Intel810, Intel 815
VIA : ApolloVP1, ApolloMVP4
SiS : SiS5597/5598, SiS530, SiS620
UMC: UM8891

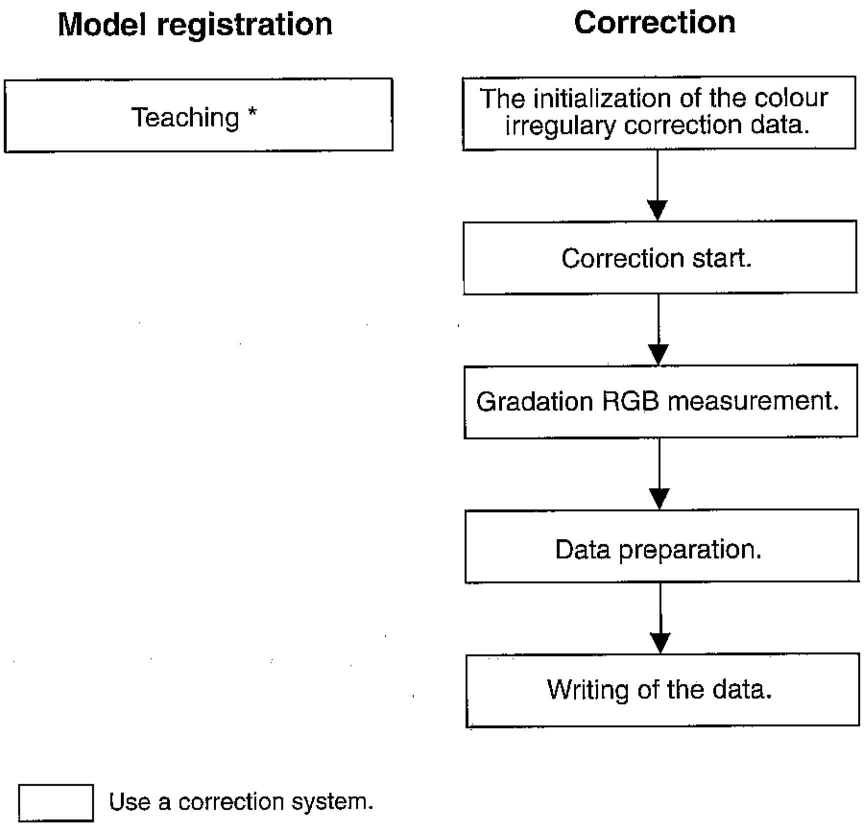
OTHER NOTICE :

Projection screen is to use the low type of the reflection. Fix a camera with the tripod and so on.

4-2. AUTOMATIC COLOR IRREGULARITY CORRECTION SYSTEM SOFTWARE

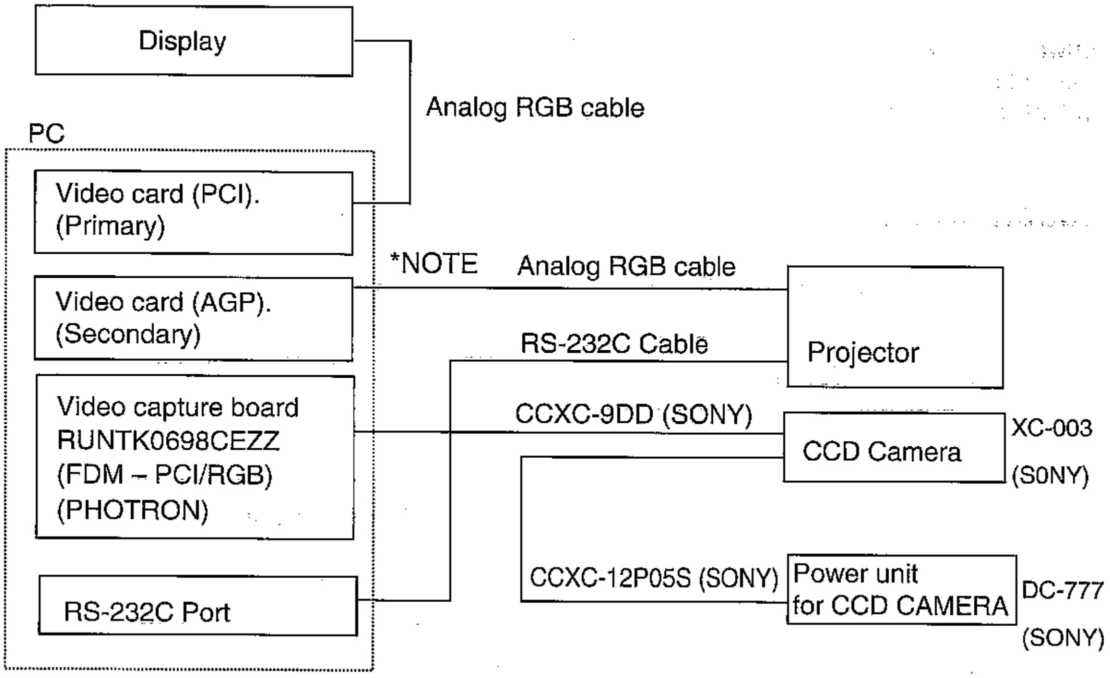
This software is the control software of the color irregularity correction system.
Color irregularity correction value is made by using this software, and transmit the data in projector, and save as a file.
This software is downloaded from home page of SHARP intranet.
URL:http//172.24.145.13/tcg-qrc/prj/default_e.htm
NAME:Projector referrls (in the Service of the QUICS)
Set up file name: C104inst.exe

4-3. Operation outline


Model registration
Correction
Teaching *
The initialization of the colour irregulary correction data.
Correction start.
Gradation RGB measurement.
Data preparation.
Writing of the data.
Use a correction system.

* The teaching isn't done usually.
There is no problem if a color irregularity correction is done by using the teaching data which are in by the default.
Try to do the teaching only when there is a problem in the correction result.
The teaching data of the default are the teaching data being used in the production line.

Connection


Display
Analog RGB cable
PC
Video card (PCI).
(Primary)
*NOTE
Analog RGB cable
Video card (AGP).
(Secondary)
RS-232C Cable
Projector
Video capture board
RUNTK0698CEZZ
(FDM – PCI/RGB)
(PHOTRON)
CCXC-9DD (SONY)
CCD Camera
XC-003
(SONY)
CCXC-12P05S (SONY)
Power unit
for CCD CAMERA
DC-777
(SONY)
RS-232C Port

***Note.**

This system outputs an image signal to the projector by using the multi monitor function.
Connect a primary video card with the display. Connect a secondary video card with the projector in the few model.
Only XV-DW100U must be connected a secondary video card with the projector.
Because an inside signal pattern is used, it doesn't need to connect a video card with PG-C30XU/XE/XG-P10XU/XE/XG-V10WU/WE. And, input switching is to use INPUT1 by all the models.
Multi monitor may not function by the combination of the video card. And, when either AGP or PCI is made primary, multi monitor may not function well.
For example, if PCI isn't made primary, multi monitor doesn't function with the combination of GA-SV432/PCI (PCI) and GA-SV432/AGP4 (AGP) manufactured by IO-DATA.
Set up which video card of AGP and PCI is made primary with BIOS of PC.

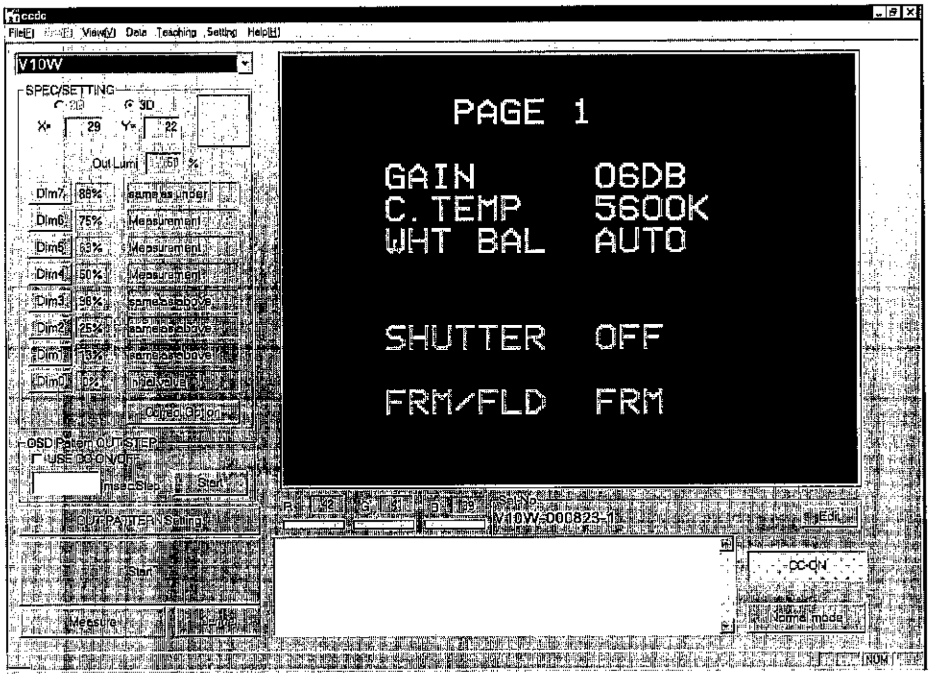
4-4. Installation and setting up.

■ The installation of the software.

Execute SETUP.EXE of the software CD.
The program of the color irregularity correction system manufactured by Sharp Corp. is installed.

■ The setting of the camera.

A setup of an inside of SONY XC-003. (Indicate setting with the MENU button beside the camera.).
Set up as the following .


ccdc
File(F) View(V) Data Teaching Setting Help(H)
SPEC/SETTING
○ 2D ● 3D
Correct Option
OSD Pattern OUT STEP
☐ USE CC-ON/OFF
msec Step
Start
OUT PATTERN Setting
Start
Measure
Edit
CC-ON
Normal mode
NUM

V10W

X= 29 Y= 22

Out Lumi 50 %

Dim7	88%	same as under
Dim6	75%	Measurement
Dim5	63%	Measurement
Dim4	50%	Measurement
Dim3	38%	same as above
Dim2	25%	same as above
Dim1	13%	same as above
Dim0	0%	Initial value

R 42 G 41 B 39

Set-No V10W-000823-1

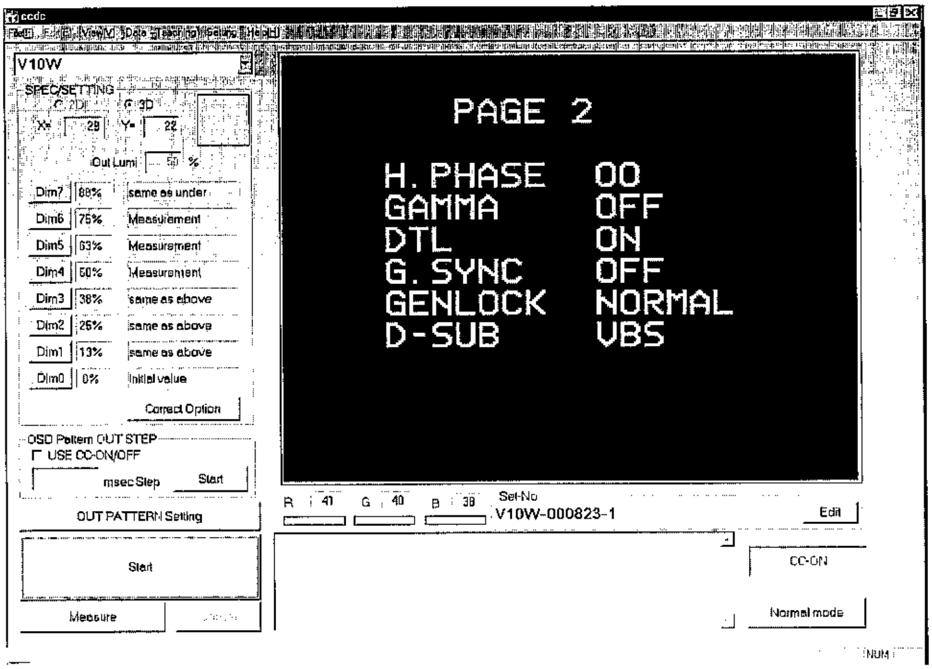
PAGE 1

GAIN 06DB
C.TEMP 5600K
WHT BAL AUTO

SHUTTER OFF

FRM/FLD FRM

The initial value of GAIN is 06. The GAIN can be raised to 12 when an image is too dark and can't be recognized at the adjustment.


ccdc
File(F) View(V) Data Teaching Setting Help(H)
SPEC/SETTING
○ 2D ● 3D
Correct Option
OSD Pattern OUT STEP
☐ USE CC-ON/OFF
msec Step
Start
OUT PATTERN Setting
Start
Measure
Edit
CC-ON
Normal mode
NUM

V10W

X= 29 Y= 22

Out Lumi 50 %

Dim7	88%	same as under
Dim6	75%	Measurement
Dim5	63%	Measurement
Dim4	50%	Measurement
Dim3	38%	same as above
Dim2	25%	same as above
Dim1	13%	same as above
Dim0	0%	Initial value

R 41 G 40 B 38

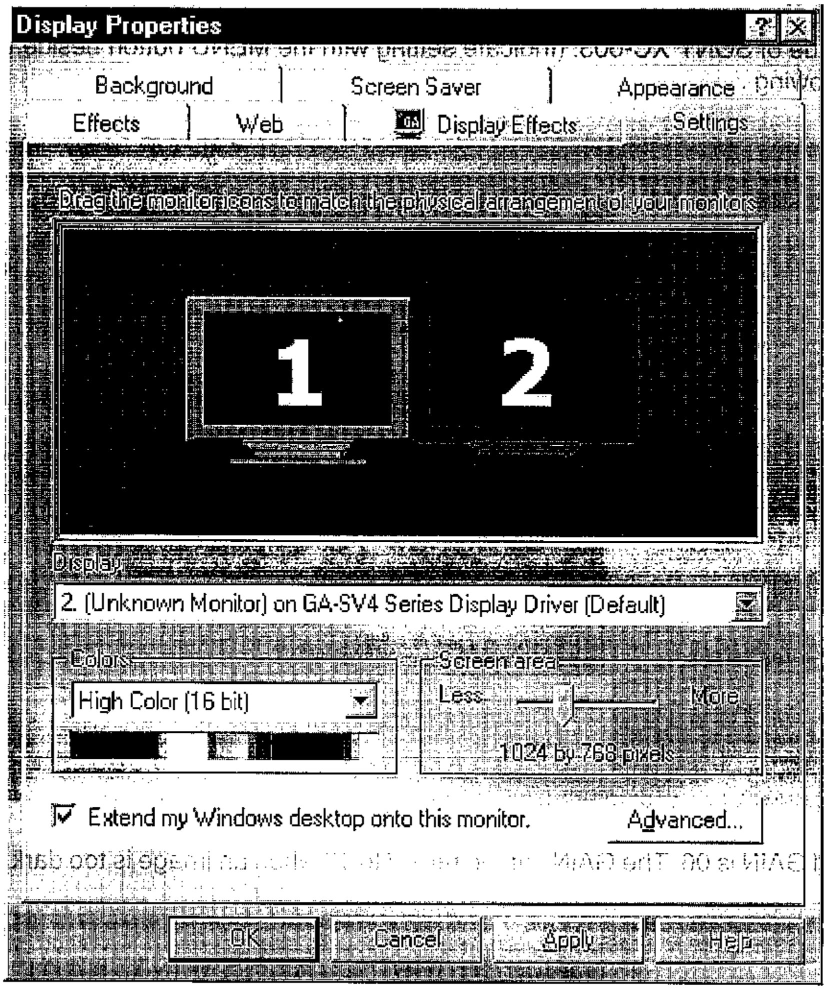
Set-No V10W-000823-1

PAGE 2

H.PHASE 00
GAMMA OFF
DTL ON
G.SYNC OFF
GENLOCK NORMAL
D-SUB VBS

■ Set up the multi monitor function of Windows98.

Before using this system, set up the environment of PC so that multi monitor function can be used.
Set up the resolution of primary and secondary both 1024 x 768.


Display Properties
Background
Screen Saver
Appearance
Effects
Web
Display Effects
Settings
Drag the monitor icons to match the physical arrangement of your monitors.
1
2
Display:

2. (Unknown Monitor) on GA-SV4 Series Display Driver (Default)

Colors: High Color (16 bit)

Screen area: Less — More, 1024 by 768 pixels

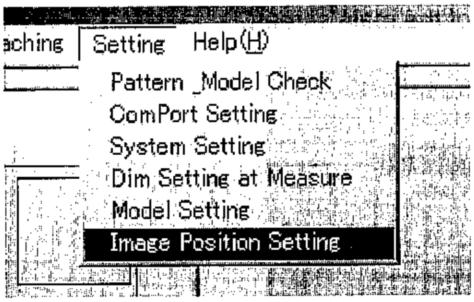
☑ Extend my Windows desktop onto this monitor.

Advanced...
OK
Cancel
Apply
Help

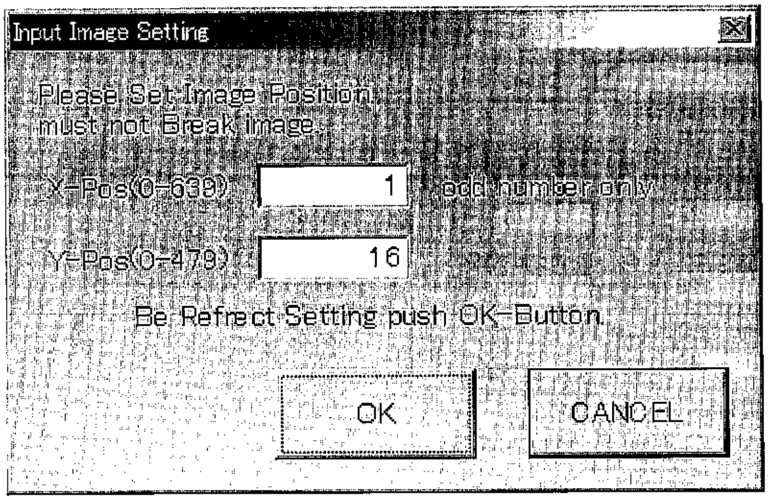
■ Set up of the video capture board RUNTK0698CEZZ (FDMPCI-RGB manufactured by PHOTORON)

Set up a video capture board as mentioned in the following after you installed a video capture board and completed all connections.

Take pictures so that a light image may be on the whole of the camera image.
Start this software, and make sure that whether all the camera images are indicated in the image area of the main screen.
If the image position shift, and a black belt may come in. Select [Setting] -[Image Position Setting] of the menu in the case.


aching
Setting
Help(H)
Pattern _Model Check
ComPort Setting
System Setting
Dim Setting at Measure
Model Setting
Image Position Setting

The following dialogue window is indicated.


Input Image Setting
OK
CANCEL

Please Set Image Position,
must not Break image.

X-Pos(0-639) 1 odd number only

Y-Pos(0-479) 16

Be Refrect Setting push OK-Button.

Input the upper left coordinate of the input image.

Note.
Input only an odd number to the X position. Color changes in the case of the even number.

The change of the image position is reflected with the OK button.

For example, increase X positions when there is a black belt on the right of the screen.

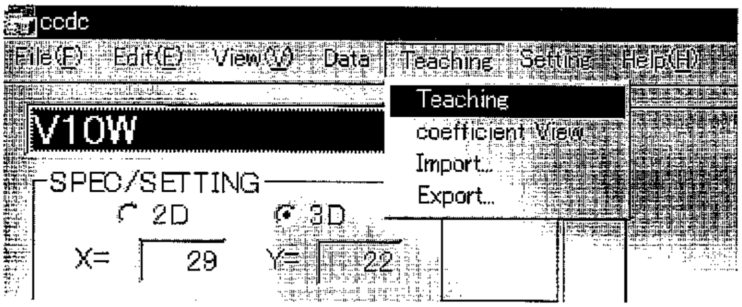
■Measurement condition

① Darkroom (Be careful of light to get in.)
② Use the diffusion reflection type screen whose GAIN is low. (ex: white paper)

4-5. Teaching

Obtain the luminance change character of the R, G, B by the correction value of every model by the teaching. The teaching doesn't need to be done usually as mentioned above. Use the teaching data of the default in the case of the color irregularity correction. The teaching must be done only when a final correction level is bad.

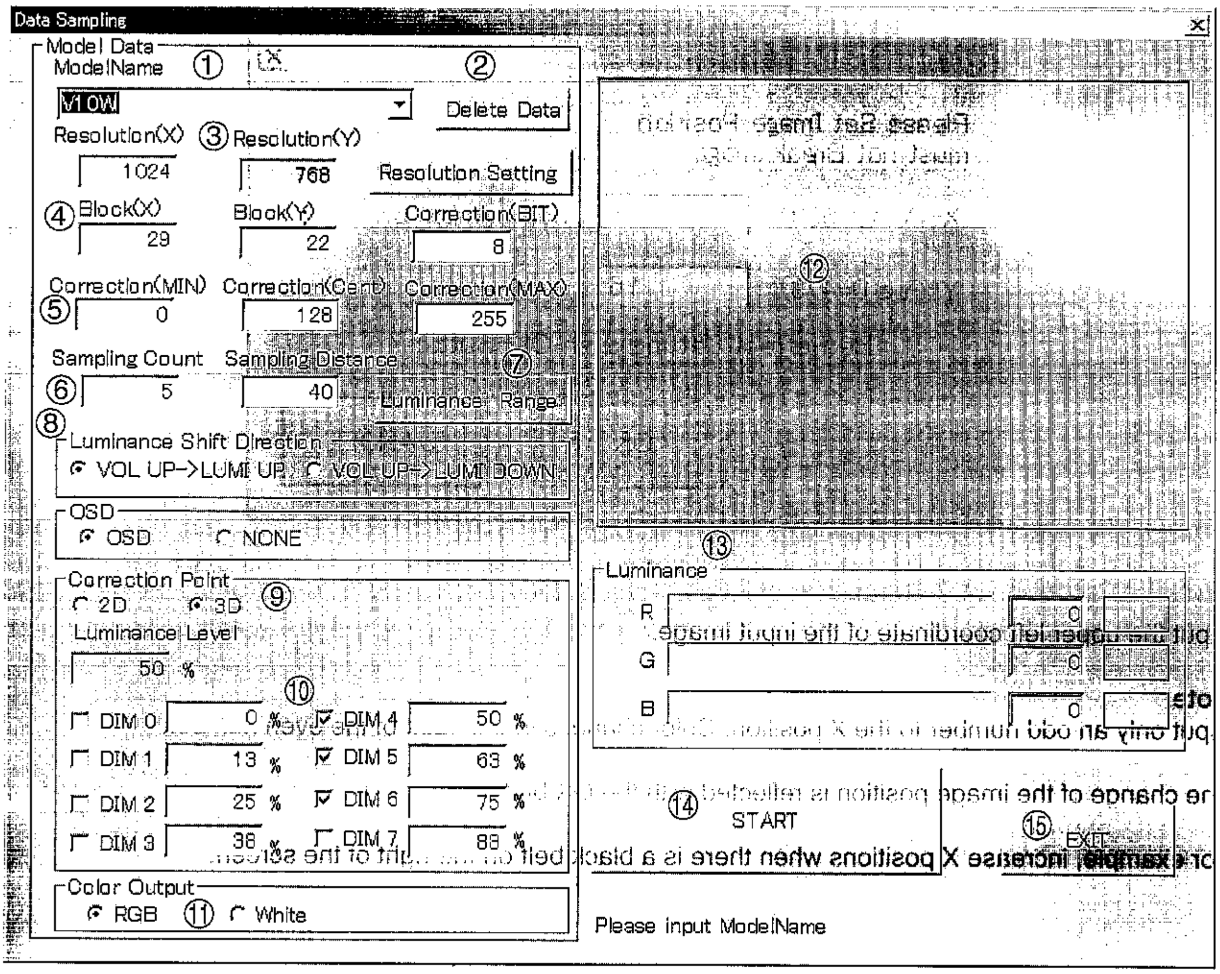
Select [Teaching]-[Teaching] from the menu of the main screen.


ccdc
File(F) Edit(E) View(V) Data Teaching Setting Help(H)
Teaching
coefficient View
Import...
Export...

V10W

SPEC/SETTING
○ 2D ● 3D
X= 29 Y= 22

■ The teaching screen explanation


Data Sampling
×
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
Delete Data
Resolution Setting
Luminance Range
START
EXIT

Model Data
ModelName: V10W
Resolution(X): 1024
Resolution(Y): 768
Block(X): 29
Block(Y): 22
Correction(BIT): 8
Correction(MIN): 0
Correction(Cent): 128
Correction(MAX): 255
Sampling Count: 5
Sampling Distance: 40

Luminance Shift Direction
● VOL UP->LUMI UP ○ VOL UP->LUMI DOWN

OSD
● OSD ○ NONE

Correction Point
○ 2D ● 3D
Luminance Level: 50 %

☐ DIM 0: 0 %
☐ DIM 1: 13 %
☐ DIM 2: 25 %
☐ DIM 3: 38 %
☑ DIM 4: 50 %
☑ DIM 5: 63 %
☑ DIM 6: 75 %
☐ DIM 7: 88 %

Color Output
● RGB ○ White

Luminance
R: 0
G: 0
B: 0

Please input ModelName

① Model name
Input the model name (registration name) performed teaching. (Character:Less than 64,).
Select a model name from the list when the model which has already been registered is performed teaching again.

② Delete Data button
Delete the model data selected in ①.

③ Resolution (X), Resolution (Y)
Specify the X resolution and Y resolution of the image signal to output with the multi monitor.

④ Block (X), Block (Y), correction (BIT)
Specify the number of the X divisions, Y divisions and the bits of the color irregularity correction IC.

		PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE	XV-DW100U
Correction number X direction	:	29	14
Correction number Y direction	:	22	13
Number of the correction bits	:	8	6

⑤ Correction(MIN), correction(Center), correction(MAX),
Specify the minimum value, Maximum value and Central value of the adjustment value of the color irregularity correction IC.

		PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE	XV-DW100U
Correction(MIN)	:	0	0
Correction(Center)	:	128	32
Correction(MAX)	:	255	63

⑥ Teaching Count, teaching Distance
Correction value is made to change in the constant interval, and take the sample of the luminance value to get a luminance change character by the correction value of R, G, B.
Specify the number of the sample and the interval of teaching here.
A teaching point is computed by the interval specified from the center of the adjustment value, and the number.

		PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE	XV-DW100U
Teaching Count:		5	5
Teaching Distance	:	40	10

The setting that a teaching point becomes smaller than the adjustment value minimum (0) can't be done. And the setting that a teaching point becomes larger than the adjustment value maximum (255) can't be done.

⑦ Luminance Range Button
The iris of the camera is adjusted at the time of the teaching, and the brightness of the input image is needed within the fixed range. This system comes not to proceed in the next treatment if the brightness is not within the fixed range.
Use default value usually. But, this value is set when the brightness is not within fixed range.
When the Luminance Range button is clicked on, the dialogue box which does a setup of a range appears. Then, input value.

Minimum value : 150 Maximum value :230.

⑧ Luminance Shift Direction
Set it up by a model to adjust.
Check "VOL UP->LUMI UP" in the case of the model that luminance rises when adjustment value is enlarged (+direction).
Check "VOL UP->LUMI DOWN" in the case of the model that luminance rises when adjustment value is made small (-direction).

PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE	XV-DW100U
"VOL UP->LUMI UP"	"VOL UP->LUMI DOWN"

⑨ Correction point (2D or 3D)
Select by a model to adjust

PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE	XV-DW100U
3D	2D

⑩ Correction point (gradation, signal level)
Select the gradation which wants to adjust.
Set up the white signal level of each gradation again.

PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE
A gradation to adjust : 3 gradation of 4,5,6.
The white level of each gradation :.

DIM 0 0%, DIM 1 13%, DIM 2 25%, DIM 3 38%,
DIM 4 50%, DIM 5 63%, DIM 6 75%, DIM 7 88%

XV-DW100U
The adjustment signal levels :50%

⑪ Color Output
Setup whether if indicate and adjust with RGB single color or indicate and adjust with white.

PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE
Adjust with RGB.

⑫ Image indication area
Camera image is indicated in this area.

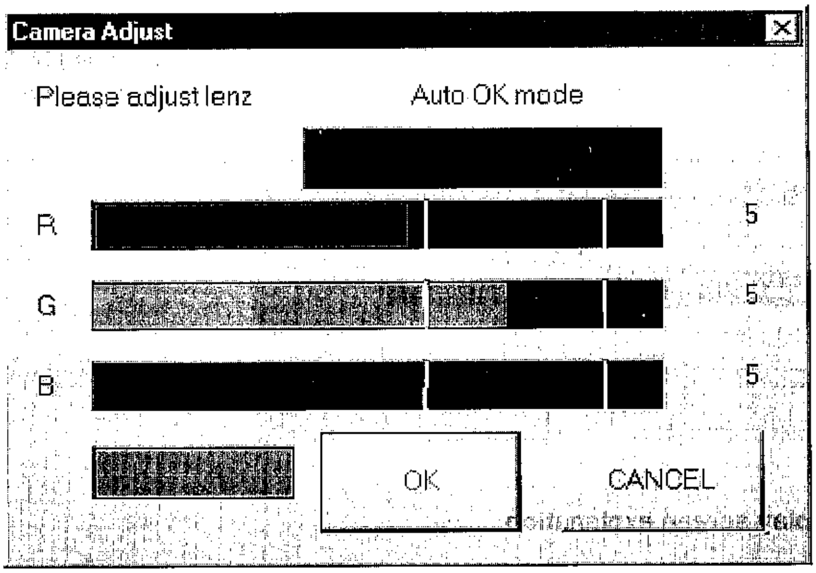
⑬ Luminance indication area
The central luminance of the camera image is indicated by the bar graph and the value (256 gradation).

⑭ Start button
Start the teaching when this button is clicked on. When there is a defect in the input item, a message is indicated, and the teaching isn't started.

⑮ Exit button
This button is clicked when the teaching is stopped.
Established data are not saved.

■ The data teaching process

① Input setting value about the model such as a model name.
Refer to the explanation of the teaching screen for the way of inputting it and so on.
② Click on "START" button.
③ Initial data are transmitted.
④ Adjust a camera position so that an image may be on the indication area. Data can't be recognized properly when the position of an image protrudes from the area and the lowest. Adjust the position of the camera again in this case because an error is indicated when doing recognition treatment.
⑤ Adjust the iris of the camera.
Adjust the iris of the camera, and make the bar of R, G, B be within range of yellow line. Push the "auto-white balance" button of the camera because "Push AWB" is indicated in the bottom left when white balance adjustment of the camera is necessary.
Usually, the camera is set to the automatic OK mode. Change about two seconds automatically for the next treatment when the bar of R, G, B is within proper range. If "OK" button is clicked on the next treatment begins soon .
When white balance adjustment becomes necessary, the camera becomes the hand-operated OK mode. Click on the "OK" button after the adjustment.



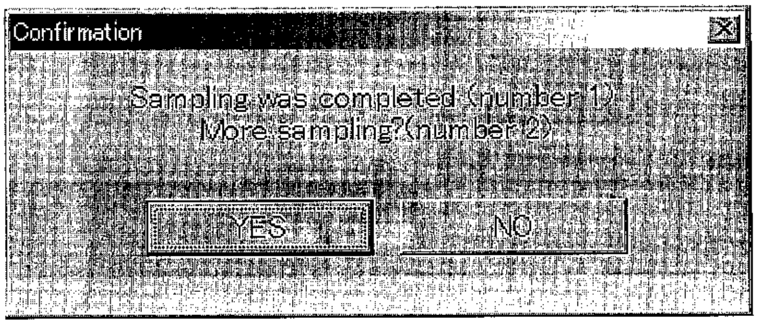
Please adjust lenz

Auto OK mode

⑥ Do measurement in the teaching point specified respectively. Do the iris adjustment of the camera with the same process.

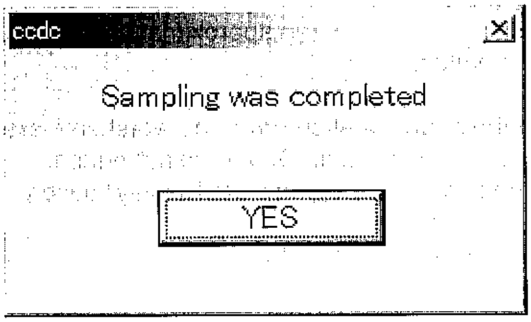
⑦ When all measurement is completed, the dialogue screen which asks whether the teaching is further continued appears. Replace with another projector in succession, and click on "YES" when you want to take average with the projector of more than one base. (Do the teaching with the process which the one after the second is the same as.).

Click on "no" when completing the teaching.



Sampling was completed (number 1)
More sampling?(number 2)

⑧ A complete message comes out when it clicks on "No." with ⑦. Then, click on "YES".



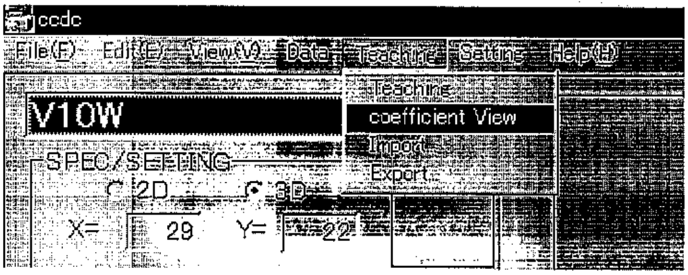
Sampling was completed

The teaching is completed in the above, and model data are registered.

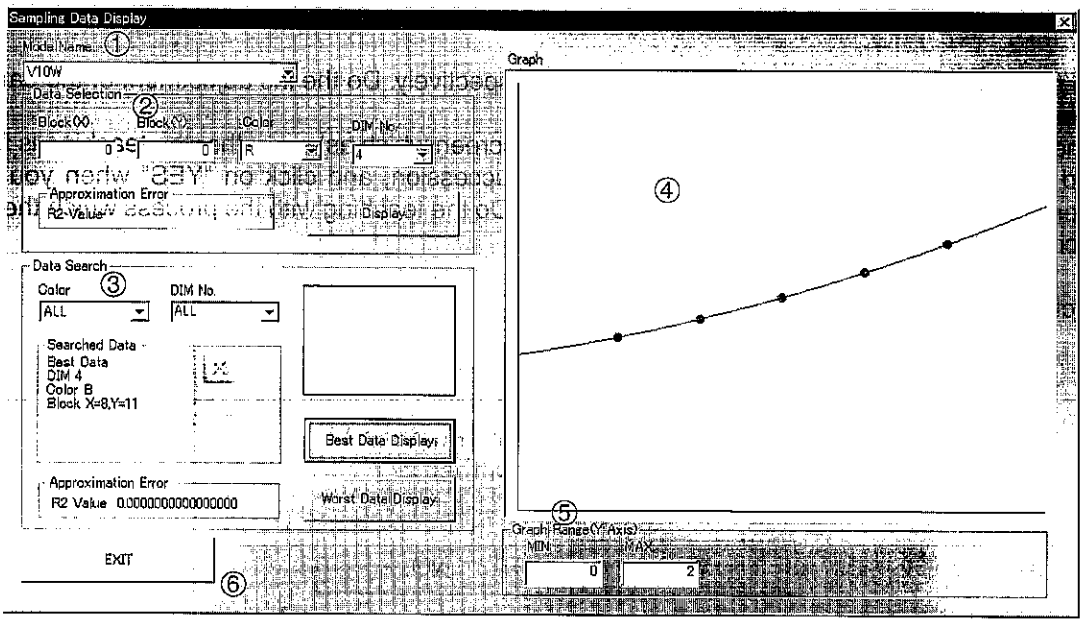
4-6. Indication of a coefficient

The data (luminance change character) performed teaching can be make sureed by the graph.
The X axis is indicated with the adjustment value, the Y axis with the luminance rate.

Select [Teaching]-[coefficient View] from the menu of the main screen.


ccdc
File(F)
Edit(E)
View(V)
Data
Teaching
Setting
Help(H)
Teaching
coefficient View
Import
Export
V10W
SPEC/SETTING
2D
3D
X= 29
Y= 22

■ Setting Data Display screen explanation


Sampling Data Display
①
②
③
④
⑤
⑥
Graph
Display
Best Data Display
Worst Data Display
EXIT

Model Name: V10W

Data Selection: Block(X) 0, Block(Y) 0, Color R, DIM No. 4

Approximation Error: R2-Value

Data Search: Color ALL, DIM No. ALL

Searched Data
Best Data
DIM 4
Color B
Block X=8,Y=11

Approximation Error: R2 Value 0.0000000000000000

Graph Range (Y Axis): MIN 0, MAX 2

① Model name.
Select the model which wants to indicate data.

② Data selection area.
Input and select the area where you want to indicate data, a color and a gradation.
A graph indicates data on the position where selected when the "Display" button is pushed.
And, indicate a computed luminance change character (an approximation curve), and the error (an approximation error) of the actual measurement value.

③ Data Search area.
Specify the range that the best data of the approximation error and worst data are referred to.
Indicate the graph of the best data when you push "Best Data Display" button.
Indicate the graph of the worst data when you push "Worst Data Display" button.
Indicate the position information of the data referred to.
And, indicate the approximation error of the data referred to.

④ Graph indication area.
Data are indicated by the graph.
The X axis is adjustment value. The Y axis is a luminance rate. (Rate when the luminance of the center (128) of the adjustment value was made 1).
Red point becomes the luminance rate (Surely, 1) at the time of the center of the adjustment value Åi128Åj.

⑤ Graph Range
Establish the minimum value of the Y axis and maximum value. (The indication width of the Y axis changes.).

⑥ Exit button
When this button is clicked on, coefficient view is finished.

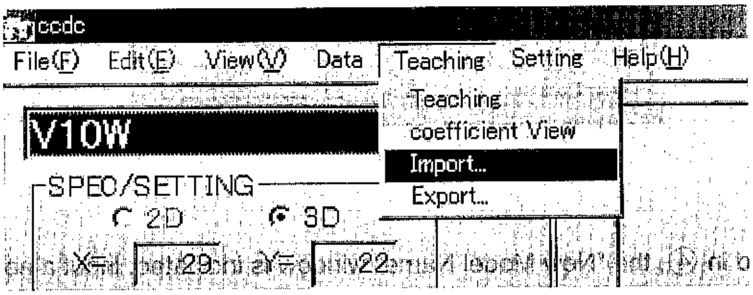
4-7. The import of the teaching data

Do the import of the teaching data when you take in the teaching data from the file.

When a new model is added, the new teaching data are provided by the file. Import the data with the following process.

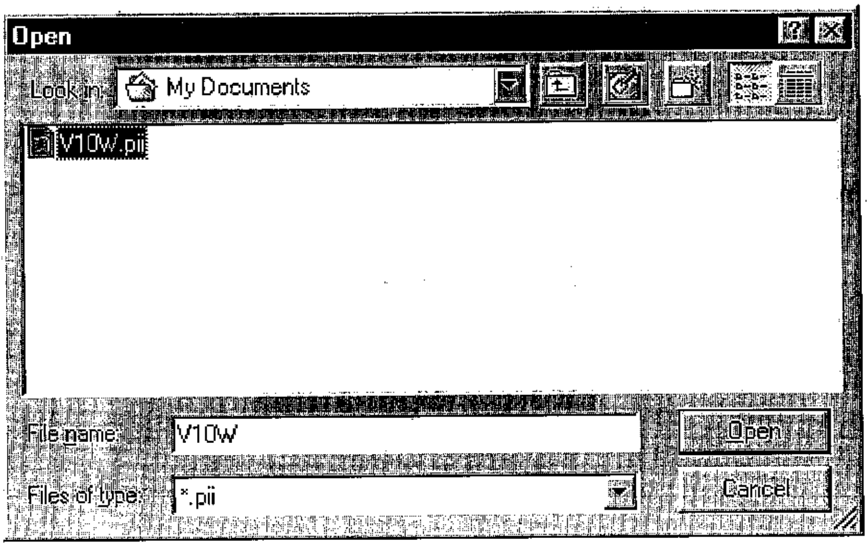
■ Import process

① Select [Teaching]-[Import] from the menu of the main screen.


ccdc
File(F)
Edit(E)
View(V)
Data
Teaching
Setting
Help(H)
Teaching
coefficient View
Import...
Export...
SPEC/SETTING
○ 2D
● 3D

V10W

② File dialogue window is indicated.
Select the teaching data file of the purpose.

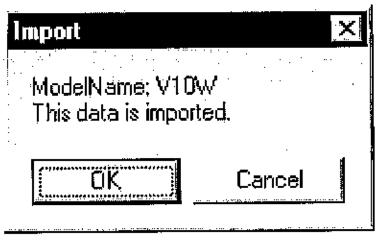

Open
V10W.pii
Open
Cancel

Look in: My Documents

File name: V10W

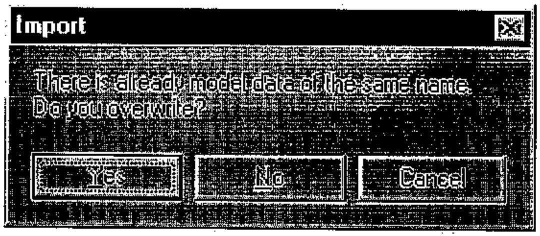
Files of type: *.pii

③ Make sure that the model name of the data which is imported.


Import
OK
Cancel

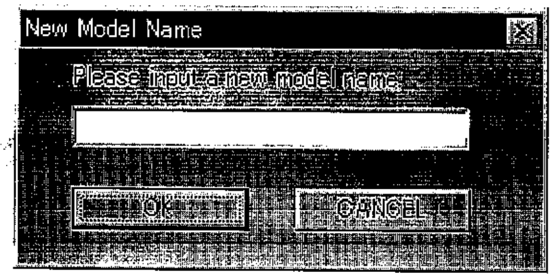
ModelName: V10W
This data is imported.

④ The following message is indicated when there are data on the model name which has been already the same.
Select "Yes" when replacing data.
Select "No" when change to another model name.



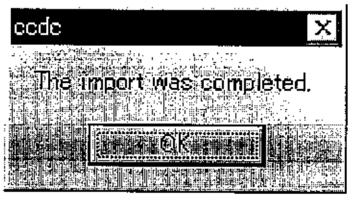
There is already model data of the same name.
Do you overwrite?

⑤ When "No" is selected in ④, the "New Model Name" window is indicated. Input a new model name.



Please input a new model name.

⑥ Import is completed if the following message is indicated.

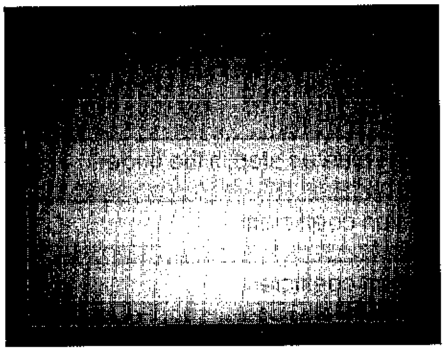


The import was completed.

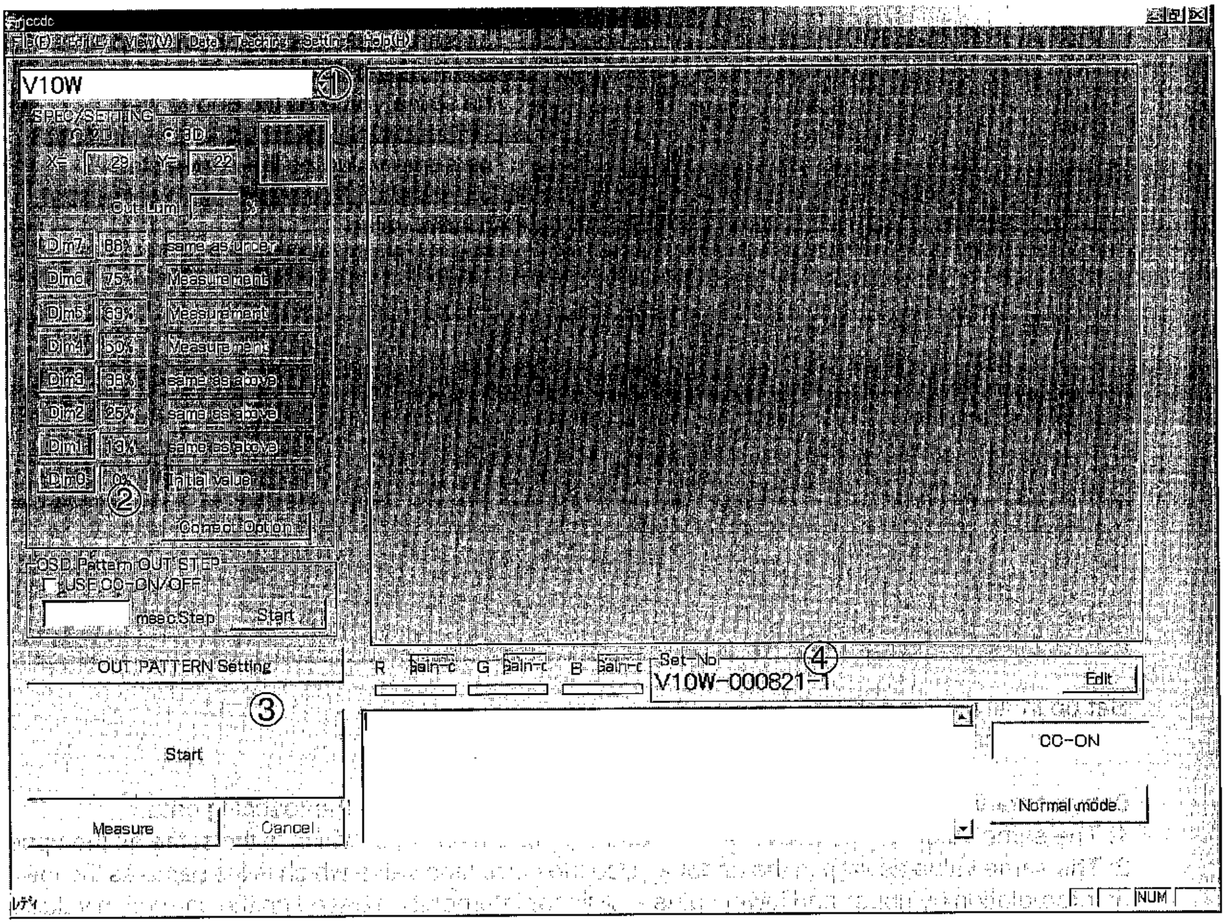
4-8. Color irregularity correction process

A process is one in of the order. Explain in order.

[The preparation before starting correction]
Adjust a position so that an image may be indicated to 70% and more of the parts inside the image indication frame of the main screen. (The bottom figure, recommendation size).



A recognition error occurs when a projection image is too close to the camera frame.


ccdc
File(F) Edit(E) View(V) Data Teaching Settin Help(H)
①
SPEC/SETTING
2D
3D
Out Lum
%
②
Correct Option
OSD Pattern OUT STEP
USE CO-ON/OFF
msecStep
Start
OUT PATTERN Setting
③
Start
Measure
Cancel
R
Gain-c
G
Gain-c
B
Gain-c
Set-No
④
Edit
CO-ON
Normal mode
NUM

V10W

● 3D

X= 29 Y= 22

Dim7 88% same as under
Dim6 75% Measurement
Dim5 63% Measurement
Dim4 50% Measurement
Dim3 38% same as above
Dim2 25% same as above
Dim1 13% same as above
Dim0 0% Initial value

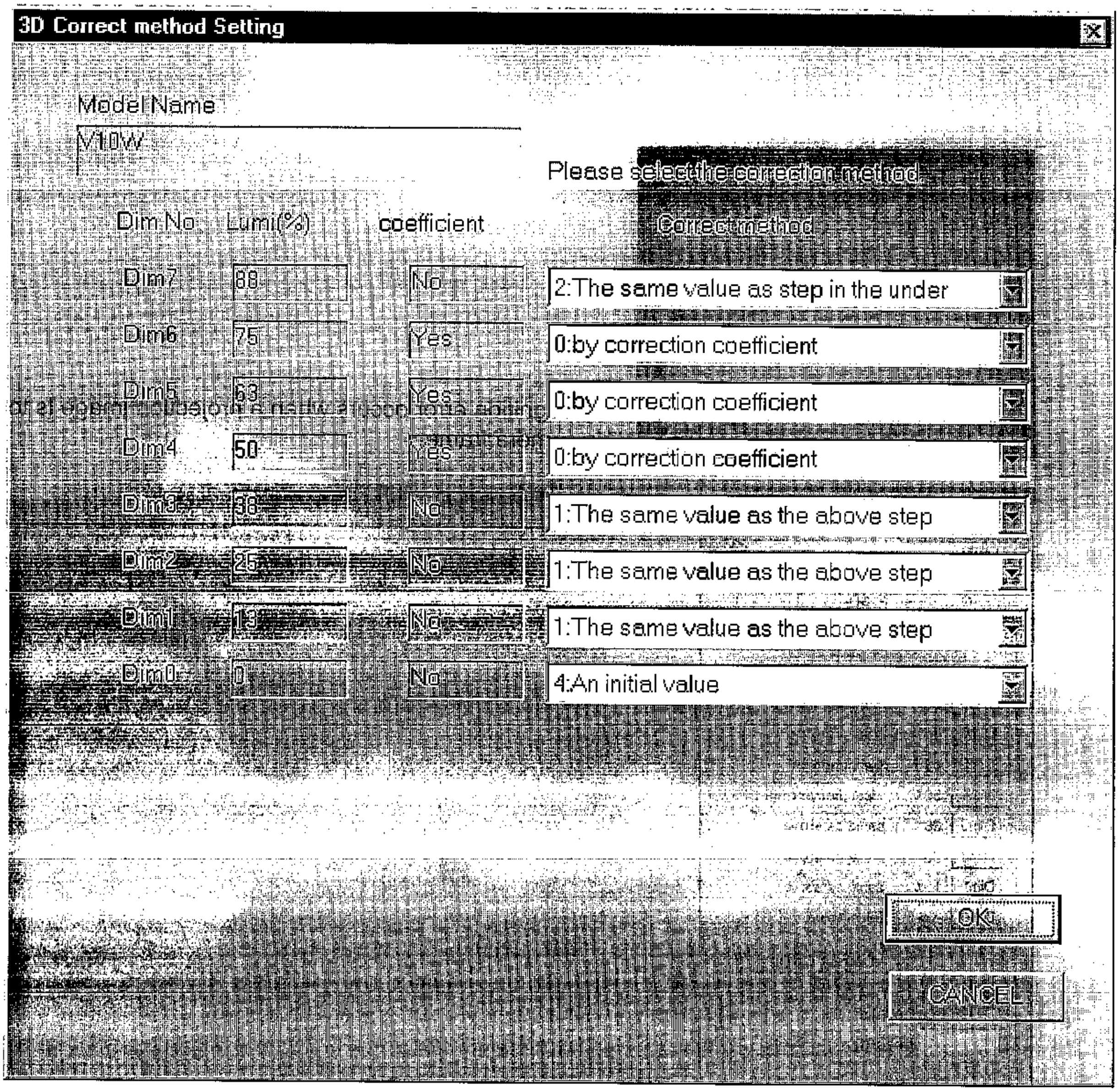
☐ USE CO-ON/OFF

Set-No V10W-000821-1

① Select a model.
Select the model name which is by the default by the service complying with.
When the teaching is done individually, the model set up by the teaching is indicated. Select a model to correct.
Set up all the model registration from the teaching of the menu bar.

② Correct Option

Push the "Correct Option" button, and select correct method of each gradation.
This setting is memorized if the set up is done once.
The correction value of the gradation that is not actually measured is made in the method specified here.



Model Name: V10W

Please select the correction method.

Dim No	Lumi(%)	coefficient	Correct method
Dim7	88	No	2:The same value as step in the under
Dim6	75	Yes	0:by correction coefficient
Dim5	63	Yes	0:by correction coefficient
Dim4	50	Yes	0:by correction coefficient
Dim3	38	No	1:The same value as the above step
Dim2	25	No	1:The same value as the above step
Dim1	13	No	1:The same value as the above step
Dim0	0	No	4:An initial value

Set up in all the gradations.
[About the correct Method] There are four kinds.

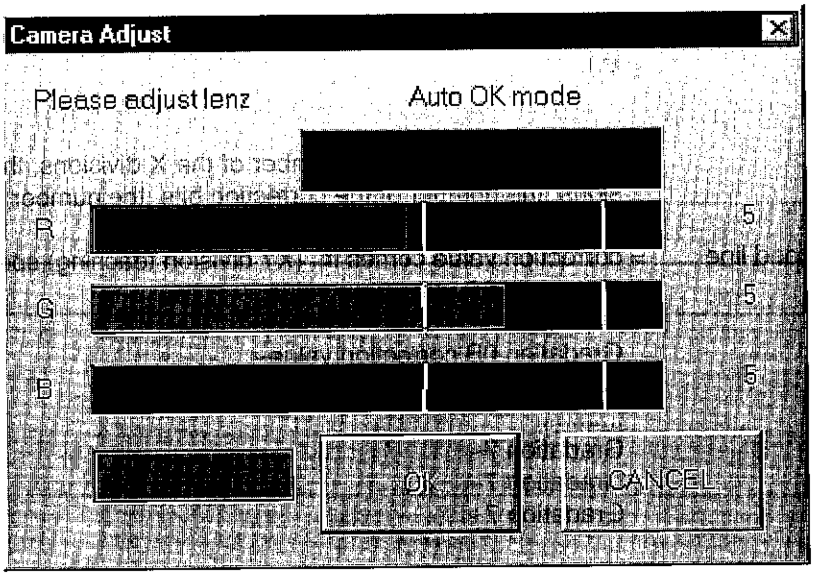
0: by correction coefficient ← Calculate the correction value from the teaching data.
1: The same value as the above step ← Use the correction value which is the same as the upper gradation.
2: The same value as step in the under ← Use the correction value which is the same as the lower gradation.
3: Interpolation by upper and lower value ← A linear interpolation based on the correction value of the upside and the bottom side.
4: An initial value ← Use initial value.

Set up with PG-C30XU/XE/XG-P10XU/XE/XG-V10WU/WE like the above screen.
This setting is no need with XV-DW100U.

③ Push Start button.
Start correction.
The white pattern which has the luminance value of the gradation that is measured is indicated.
Camera adjustment dialogue window is indicated.

Adjust an iris so that the bar of RGB may be included between the lines of yellow.
Push the AWB button (white balance button) of the camera when Push AWB is indicated.
Proceed by a setup of a system to the next when RGB is within OK range for more than two seconds when it is the automatic OK mode.

R, G, B are changed, and measurement by the camera starts when the OK button is clicked on with the camera setting dialogue window.



Measure the gradation that is done by the setting of the "by correction coefficient" by correct option ②.

When the measurement of the specified gradation is finished, the correction value of all the gradations (8 gradation) is made.
Correction value is transmitted to a projector.

Color irregularity correction is completion in this.

4-9. The format of the correction value file

Correction value file is saved in the folder specified by a setup of a system of the menu.
File name becomes the character line indicated in the position of main screen ④.
Form is CSV.

Example : PW10-000710-1.CSV

PW10	= model name
000710	= date (YYMMDD)
1	= number (Every adjustment does by +1.).

◆ Inside form (Make off by comma).

The first line	= model data.
After the second line	= correction value.
[Gradation AB]	= Measured luminance value (A gradation number goes into A. RGB goes into B.).

◆ Details.

The first line	= model name, date, the number of the X divisions, the number of the Y divisions, the number of the correction bits, the number of the gradations. ex) PW10,2000/7/10,29,22,8,8
After the second line	= correction value comes in. (XY division teaching) specify. Gradation 0R correction value ~ Gradation 0G correction value ~ Gradation 0B correction value~ Gradation 1~ .... Gradation 7~ Gradation 7~ Gradation 7~

◆ From the upper left,

XY (0,0), XY (1,0), XY (2,0)..............(28,0), SUM.
XY (0,1) ,XY (1,1) ,XY (2,1)..............(28,1) ,SUM
....
XY (0,21) ,XY (1,21) ,XY (2,21)..............(28,21) ,SUM.

SUM is the total of the correction value of one line. (It isn't used specially.).

◆ It can get effect on a color irregularity correction by making the correction value data of this file the color irregularity correction value of the projector.

4-10. Set up variously

Explain various setting items.
Setting is necessary for the following item.

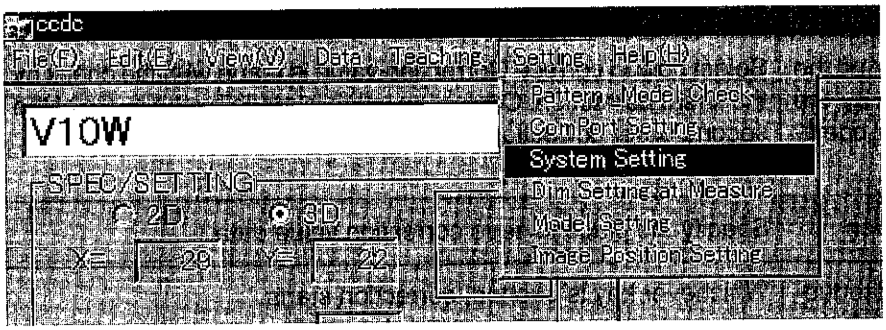
A: System Setting
Set up the whole of the system. This setting is reflected on all the models.

B: The setting which is characteristic of the model. (Model Setting)
Set up by the model selected on the main screen.
After selecting the model which wants to set up on the main screen, set up in every model .

C: Setup of communication. (ComPortSetting).
Set up because the projector and a personal computer are connected with RS232C and both communicate.
This setting is reflected on all the models.

A: System setting (the setting which is common to all)

Select [Setting]-[SystemSetting] from the menu of the main screen.

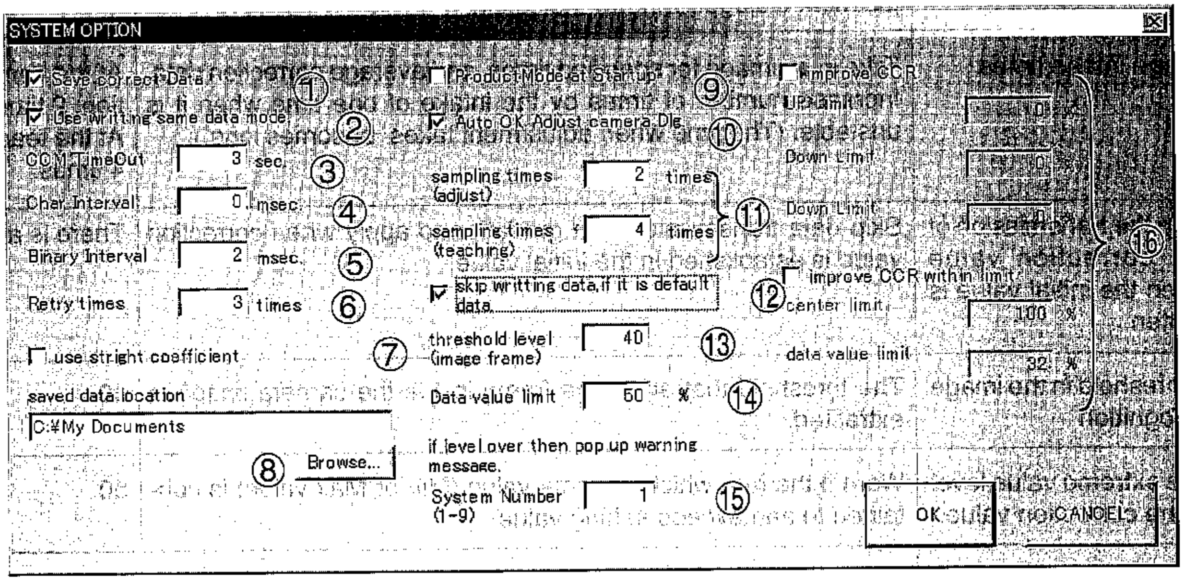

ccdc
File(F) Edit(E) View(V) Data Teaching Setting Help(H)
Pattern Model Check
ComPort Setting
System Setting
Dim Setting at Measure
Model Setting
Image Position Setting
SPEC/SETTING

V10W

○ 2D ● 3D

X= 20 Y= 22

■ System setting screen


SYSTEM OPTION
Browse...
OK
CANCEL

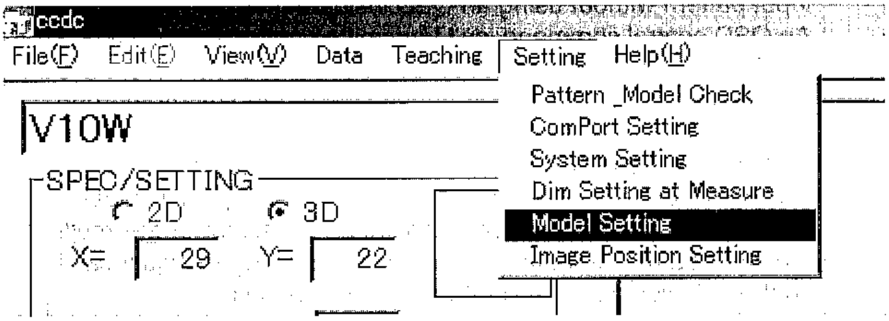
☑ Save correct Data ①
☑ Use writting same data mode ②
COM TimeOut 3 sec. ③
Char Interval 0 msec. ④
Binary Interval 2 msec. ⑤
Retry times 3 times ⑥
☐ use stright coefficient ⑦
saved data location
C:¥My Documents ⑧
☐ ProductMode at Startup ⑨
☑ Auto OK Adjust camera Dlg ⑩
sampling times (adjust) 2 times
sampling times (teaching) 4 times ⑪
☑ skip writting data,if it is default data.
threshold level (image frame) 40 ⑬
Data value limit 50 % ⑭
if level over then pop up warning message.
System Number (1-9) 1 ⑮
☐ improve CCR
UP Limit 0 %
Down Limit 0 %
Down Limit 0 %
☐ improve CCR within limit ⑫
center limit 100 %
data value limit 32 % ⑯

No	Item	Explanation	Default value
1	Save correction data	Save a correction value data file in the folder specified in ⑧.	There is a check.
2	3D correction value is written at the same time	A simultaneous writing command is transmitted, and write data on more than one gradation at the same time in the case of the 3D correction when it has the designated gradation of writing the same correction value.	There is a check.
3	COM time out	The setting of time to wait for a communication answer.	3(Seconds)
4	Char interval	Leave an interval for the Wait time set up between the character lines of the ASCII character, and a communication command is transmitted when a communication command is transmitted in the projector.	0(mSeconds)
5	Binary interval	Wait for only the time set up when data were transmitted in succession after data were transmitted in the binary mode in the binary interval set.	2(mSeconds)
6	Retry times	The retry times when a communication error occurred.	3(Times)
7	The preparation of the correction value by the linear correction coefficient	Select how to correct. Correction value is made with the check by the linear correction. Correction value is made by the curve of the second order correction without a check.	There is no check.
8	Save data location	Specify the place to save correction value data.	None.
9	Make a set the production mode at the start	Whichever key is pushed, correction starts.	There is no check.
10	Decide camera adjustment automatically.	Give OK automatically when a RGB level is within the designated range for more than two seconds at the time as the camera adjustment dialogue window indication.	There is a check.
11	Image intake times	Take in an image for specified times, and average correction data. Increase number of times by the intake of one time when it is unstable. (The time when adjustment takes becomes long.).	At the compensation: 2 times At the teaching: 4 times.
12	Skip the transmission of the correction value when the initial value is written.	Skip data transmission to a gradation to apply when correction value is established in the initial value.	There is a check.
13	A threshold in the image recognition	The threshold that an image frame inside the camera image is extracted.	40
14	The extreme value level of the correction value	Warn if the rate which extreme value (Min or Max value) is contained to and exceed setting value.	50
15	Equipment distinction number.	Set up the distinction number which is characteristic of the equipment. Set up respectively independent numerical value when this system is in more than one base.	
16	CCR improvement.	It isn't used.	There is no check.

Usually, use by the setting of the default.

B: The setting which is characteristic of the model (It can be set up by the registration model.)

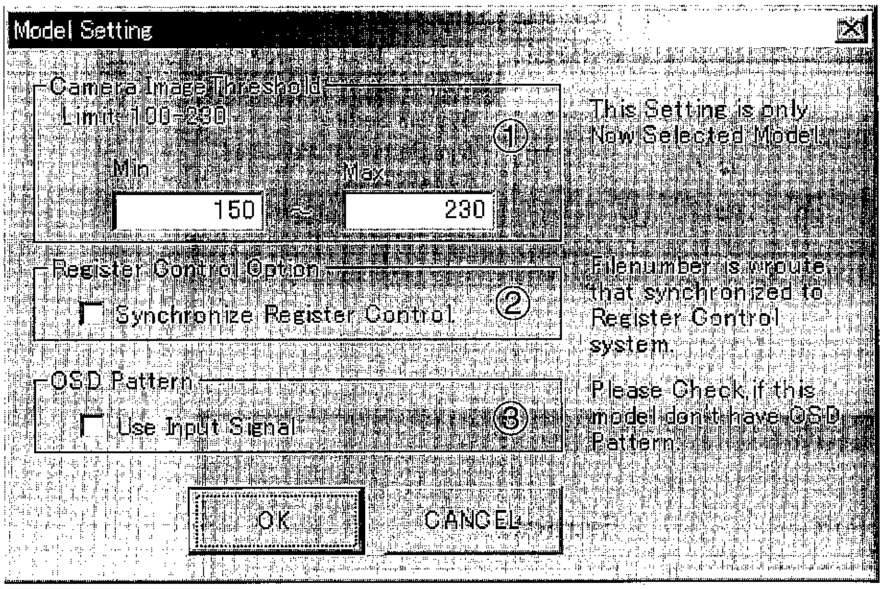
Select [Setting]-[ModelSetting] from the menu of the main screen.


ccdc
File(F)
Edit(E)
View(V)
Data
Teaching
Setting
Help(H)
Pattern _Model Check
ComPort Setting
System Setting
Dim Setting at Measure
Model Setting
Image Position Setting
V10W
SPEC/SETTING

○ 2D ● 3D

X= 29 Y= 22

Don't change the settings except for "1. the threshold of the present model" when being using the teaching data of the default by the service complying with.


Model Setting
OK
CANCEL

Camera Image Threshold

Limit: 100-230 ①

Min 150 ~ Max 230

This Setting is only Now Selected Model.

Register Control Option

☐ Synchronize Register Control ②

Filenumber is wroute that synchronized to Register Control system.

OSD Pattern

☐ Use Input Signal ③

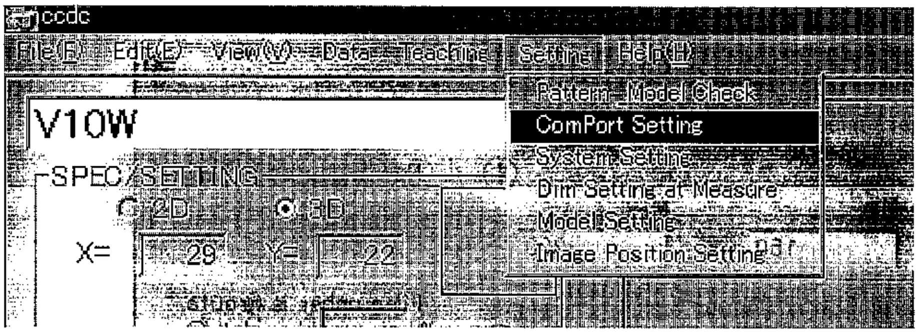
Please Check if this model don't have OSD Pattern.

No	Item	Explanation	Default value
1	The threshold of the present model.	Set up the RGB range of the camera adjustment dialogue window at the time of the adjustment. Extend a range when a difference in RGB of every gradation is large by the 3D correction.	Minimum value =150. Maximum value =230.
2	Register control option.	Use this function when you make a register control system (Equipment is separately necessary.) link with the set. (Don't use this function by the service complying with. Model name data inside the set become wrong value.)	There in no check.

No	Item	Explanation	Default value
3	OSD pattern.	Check this box when you adjust the model which doesn't have an OSD inside pattern. Or, check this box when you use the outside input pattern without using an OSD inside pattern. An OSD control command isn't transmitted at the time of the one with the check. An OSD control command is transmitted at the time of the one without a check. Setting becomes effective when an adjustment point is a 3D. Setting becomes ineffective when an adjustment point is a 2D. Check this, and make a projector input the signal of the multi monitor output when the projector which is trying to adjust can't control a building in OSD pattern in some causes.	There is no check.

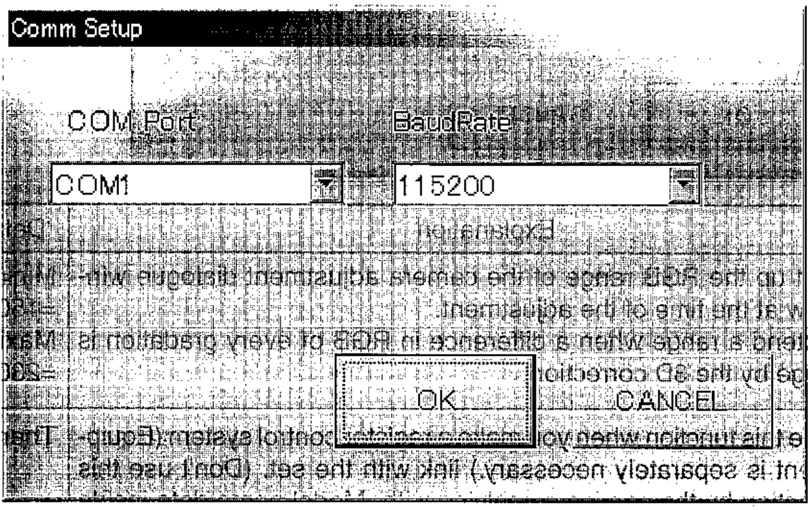
C: Communication setting (a setup of communication with the set)

Select [Setting]-[ComPortSetting] from the menu of the main screen.


ccdc
File(F) Edit(E) View(V) Data Teaching Setting Help(H)
Pattern Model Check
ComPort Setting
System Setting
Dim Setting at Measure
Model Setting
Image Position Setting
V10W
SPEC/SETTING
2D
3D

○ 2D ● 3D

X= 29 Y= 22


Comm Setup
OK
CANCEL

COM Port: COM1

BaudRate: 115200

Select a COM port to use for the communication, and a communication speed with PC of this system.
A communication speed changes a setup of communication of the set to the designated speed automatically.
Change a communication speed to 9600bps automatically after correction is completed at the time of the correction.
Lower Baud Rate when a communication error occurs.

4-11. Other precautions

- Cancel keystone.
- Return a communication speed to set up by the user menu to 9600bps with XG-V10XU/XE.
- The part of the mask is washed over and under the inside pattern, and it may fail the color irregularity correction of the part of the mask. Try in this case so that BackgroundImage without a signal is indicated in the whole of the screen. (For example, remove a signal after a signal was put in INPUT1 and a screen was made Full with Resize, etc.)

4-12. About the upgrade

- Provide the rise data to renew the teaching data when a new model is added.
  Other establishment is sometimes changed by the case.

5. MANUAL COLOR IRREGULARITY CORRECTION SOFTWARE

5-1. Outline.

This software is used to do reading of the color irregularity correction data, writing of the color irregularity correction data and the change of the color irregularity correction data toward the projector which has a color irregularity correction function and to do the improvement of the color uniformity.
The model being supported (Version 1) :XV-DW100U, XG-P10XU/XE, PG-C30XU/XE, XG-V10WU/WE
Color irregularity may still be visible after the LCD panel or the lamp has been replaced and the optical axis adjusted. In such case, it is necessary to read and write the data as well as correct the data. When replacing a PC board, do reading/writing of the data if necessary.

5-2. Color irregularity correction data.

There are color irregularity correction data two kinds.
One is for XV-DW100U and the other is for XG-P10XU/XE, PG-C30XU/XE and XG-V10WU/WE.

By the following explanation, "Color irregularity correction data" are written with the "data".

XV-DW100U

The DW100 is for two-dimensional color irregularity correction. It has a single gradation and the data for each of the red, green and blue colors.

XG-P10XU/XE, PG-C30XU/XE, XG-V10WU/WE

The other model are for three-dimensional color irregularity correction. It has 3 gradations from 1 to 3 and the data for each of the red, green and blue colors at each gradation.

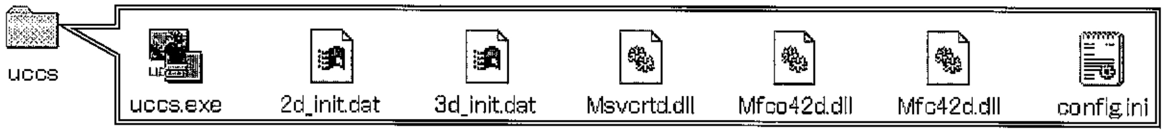
5-3.System requirements

OS	: Windows95, Windows98, WindowsNT4.0
Hard disk capacity	: More than 5MB
Memory	: Recommend more than 32MB
Screen size	: XGA recommendation
Color depth	: More than 16bit.

5-4.Install and Uninstall

This software is downloaded from the homepage of SHARP intranet.
URL: http://172.24.145.13/tcg-qrc/prj/default_e.htm
NAME: Projector Referrals (in the Service of the QUICS)
Setup file name: install.exe

- Install
  When Install.exe is executed, the window which specifies the directory of the place of the extraction appears. Input a directory name, and push a "Unzip" button. Then, software is installed in the specified directory.



- Uninstall
  Remove the directory which software was installed in. Registry isn't being operated.

5-5. How to start the software.

1. Make sure that a projector and PC for the adjustment are connected with RS232C cable.
2. Connect "RS232C IN" of the projector with "COM1" of PC with the serial cable (cross cable) when either isn't connected.
3. Connect "INPUT1" of the projector and the display output terminal of PC with the RGB cable.
4. Turn on the power of the projector.
5. Manual color irregularity correction software will start when "uccs.exe" is double-clicked.
6. Control window (Figure 1) is displayed on the screen of PC.

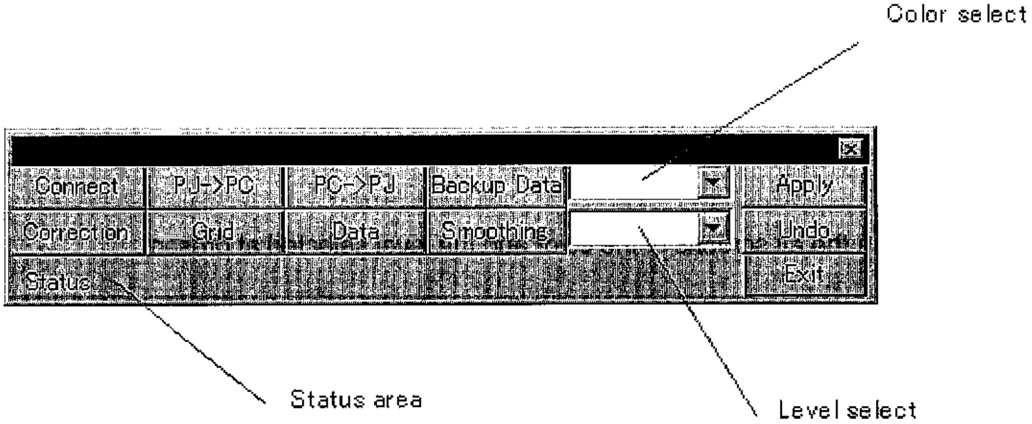


Figure 1. Control window

5-6. The explanation of the control window.

When software is run, a control window is displayed.

- Connect button
  When this button is pushed, PC does the following movement;The confirmation of the connection with the projector and PC. The distinction of the model of the projector connected with PC. Change the input of the projector to "RGB1". Setup of GAMMA of the projector. The automatic synchronous adjustment of the projector. This button is the condition pushed when PC and a projector are connected.
  After software is started, this button must be surely pushed once.

- Correction button
  Every time this button is pushed, ON/OFF of the color irregularity correction function changes. This button is the condition pushed when a color irregularity correction function is "ON". Usually, this function is "ON".
  Use this function to judge for contents of correction whether to be appropriate.

- PJ->PC button
  This button is pushed when hand-operated correction is started based on the data of the projector.
  PC reads data on the projector, and writes it in the memory.
  When reading of the data is finished, PC asks whether save to the file.
  These data are the correction data which projector holds. Be sure to save the data.

- PC->PJ button
  This button is pushed when hand-operated correction is started based on the color irregularity correction data saved before.
  When this button is pushed, the data saved as a file are written in the memory of the PC. Next, the data in the memory are written in the projector.

- Backup Data button
  Save the data being edited at present in the file.
  Use this button when you stop correction work once and do continuation once again.
  Use the button when you backup the present condition data of the correction work.

- Grid button
  Change "ON/OFF" of the indication of the color irregularity correction frame.

- Data button
  Change "ON/OFF" of the indication of the color irregularity correction data.

- Color select combo box
  Select the color that a color irregularity correction is done from R, G, B.

- Level select combo box
  Select the gradation level that a color irregularity correction is done.

- Apply button
  The data on the changed block are transmitted in the projector.

- Smoothing button
  Smoothing the data on the all screens of the color and the level selected at present.

- Exit button
  Finish color irregularity correction software. Be sure to write all data in the projector when modifying data. The PC asks whether the data being edited at present are saved. Just in case, save data.

- Status area
  Display the condition and a result of the command .

5-7. Correction procedure

There are the following three kinds of start processes in the correction.
(1)Correct color irregularity based on the data on the projector.
(2)Correct color irregularity based on the data which saved in the file.
(3)Correct color irregularity from the initial value. (There are no correction data.)

Usually, begin with (1).
Begin with (2) when the correction data saved in the file.
Begin with (3) when the occurrence tendency of the color irregularity changes at all by having replaced a panel and/or the other parts. Begin in this case after reading the file of the initial value data.

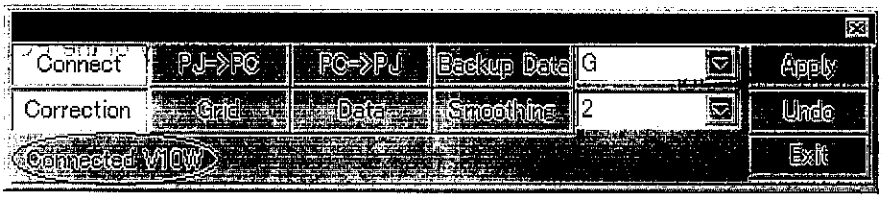
Initial value data file name	Model
2d_init.dat	XV-DW100U
3d_init.dat	XG-P10XU/XE, PG-C30XU/XE, XG-V10WU/WE

Explain the following, a correction process.

<When a panel and a lamp are replaced and correction is necessary.>

With a new lamp set up, this correction is necessary only when the optical axis fails to adjust properly.

1. Push "Connect" button, and connect PC and a projector. After "Auto sync" is finished, the model name of the projector connected with the status area is displayed. When failed in the connection, ascertain that the connection of the RS232C cable and the power supply of the projector are in, and restart software again, and push Connect button again.



Connected V10W

Figure 2. The condition that a projector and PC are connected.

2. Push a "PJ->PC" button, and read data from the projector, and write data in PC.
   Reading/Writing of the data takes 10-30 minutes.
   Progress conditions are displayed in Progress bar.
   After finishing reading of the data, input a file name, and save data.

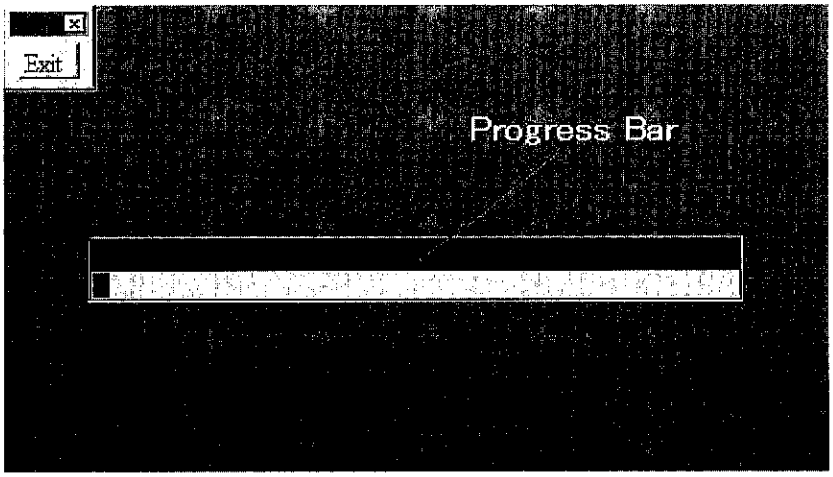
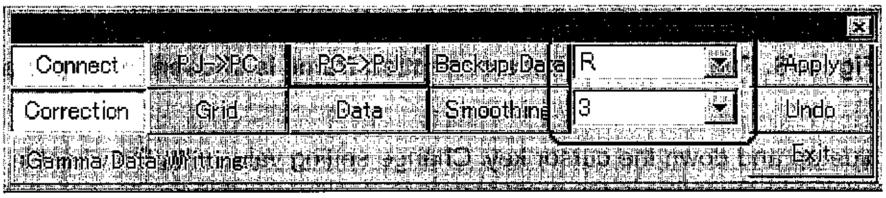

Exit
Progress Bar

Figure 3. The screen when data are read from the projector.

3. First, select the gradation and the color that wants to correct. Do before surely selecting a correction frame.


Connect
PJ->PC
PC->PJ
Backup Data
R
Apply
Correction
Grid
Data
Smoothing
3
Undo
Exit

Gamma Data Writting

Figure 4. The selection of the color and the gradation.

4. Select the place to want to correct with the mouse. Select a correction frame one block by 1 click. Select more than one frame with the drag.

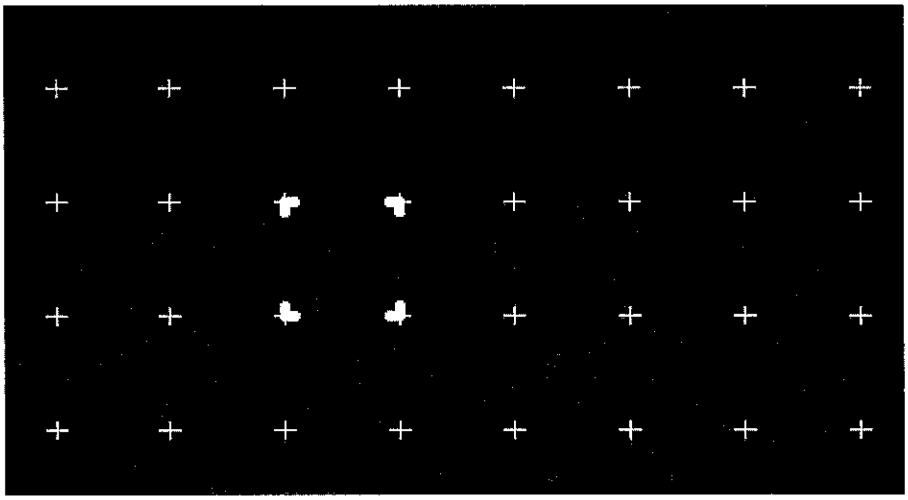


Figure 5. The condition that one correction frame is selected.

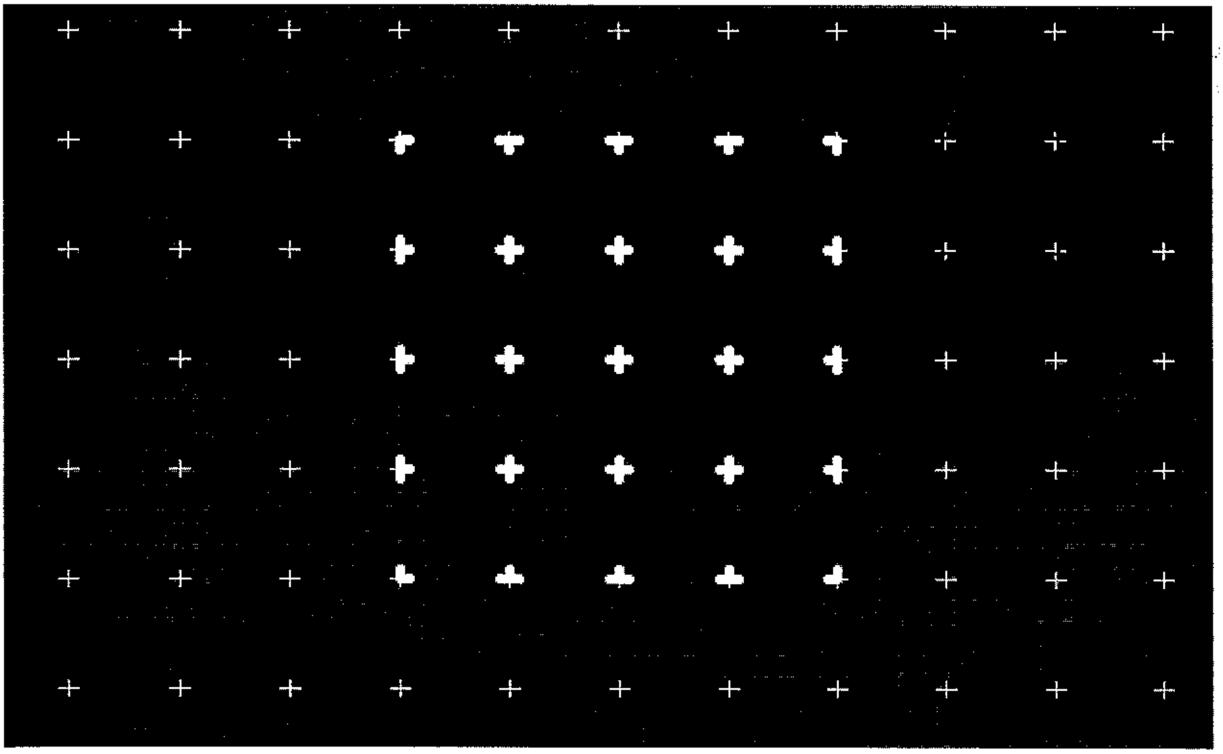


Figure 6. The condition that a correction frame is chosen in the plural.

5. Change setting value up and down the cursor key. Change setting value with the wheel in the case of the wheel mouse. Numerical value to moderate in the present data is displayed within the correction frame. Numerical value changes gradually from the center of the range selected when more than one correction frame is selected.

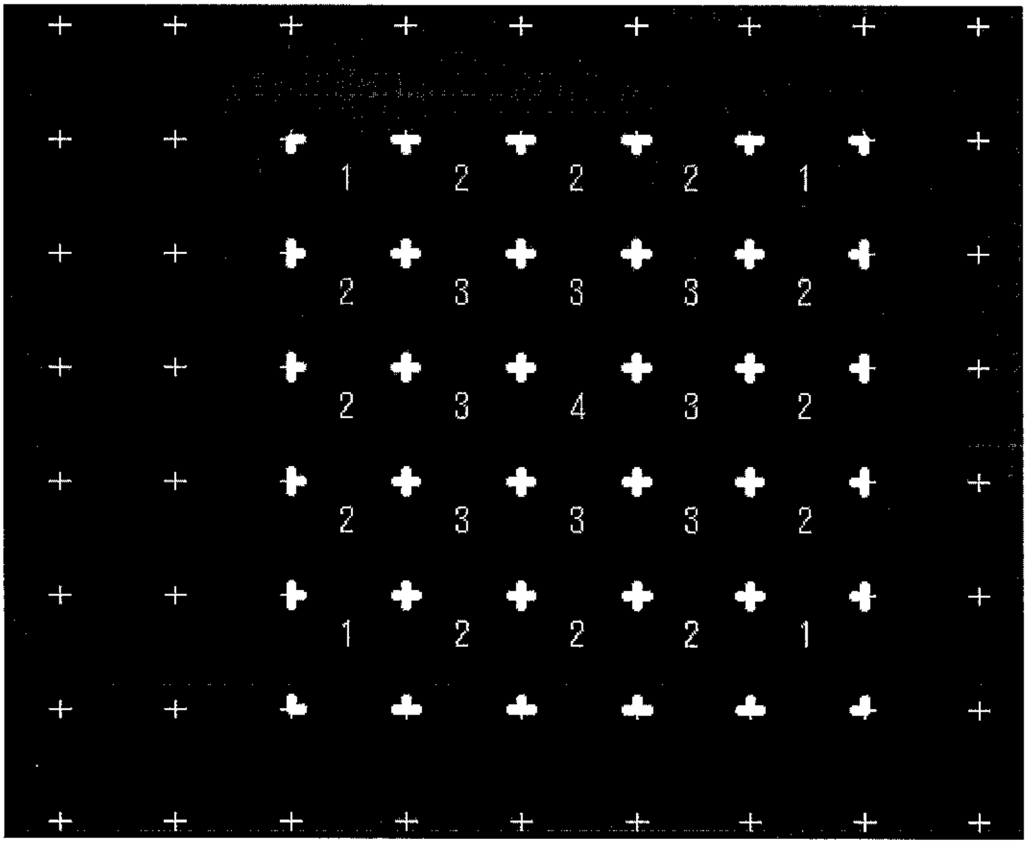
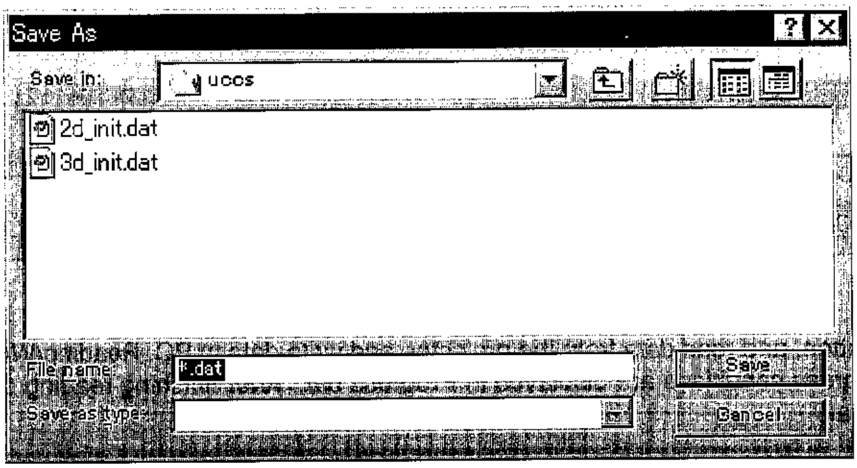


Figure 7. The condition which makes correction value change by + 4.

6. Push a "Apply" button, and write correction data in the projector if correction value is decided.
7. Push a "Undo" button, and a change can be canceled when modification isn't done properly.
8. Repeat a process from the item 3 to the item 7.
9. The present condition can be saved by pushing a "Backup" button. Save it if necessary.
10. Push a "Exit" button at the end, and write all data in the projector, and make a projector memorize data. The PC asks whether correction data are saved to a file at the same time. Be sure to save when the data are changed.



Save in: ucos

File name: *.dat

Figure 8. Input of the saving file name.

Replacing of the PC board

In replacing the PC board, just read and write the data. There is no need to process the data.

Before replacing a PC board.

1. Push "Connect" button, and connect PC and a projector. After" Auto sync" is finished, the model name of the projector connected with the status area is displayed. When failed in the connection, ascertain that the connection of the RS232C cable and the power supply of the projector are in, and restart software again, and push Connect button again.

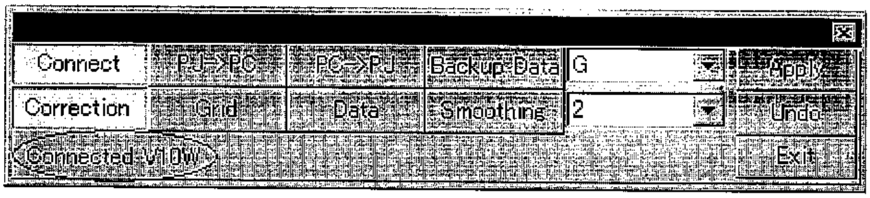

Connect
PJ->PC
PC->PJ
Backup Data
G
Apply
Correction
Grid
Data
Smoothing
2
Undo
Connected V10W
Exit

Figure 9. The condition that a projector and PC are connected.

2. Push a "PJ->PC" button, and read data from the projector, and write data in PC. Reading/Writing of the data takes 10-30 minutes. Progress conditions are displayed in Progress bar. After finishing reading of the data, input a file name, and save data.

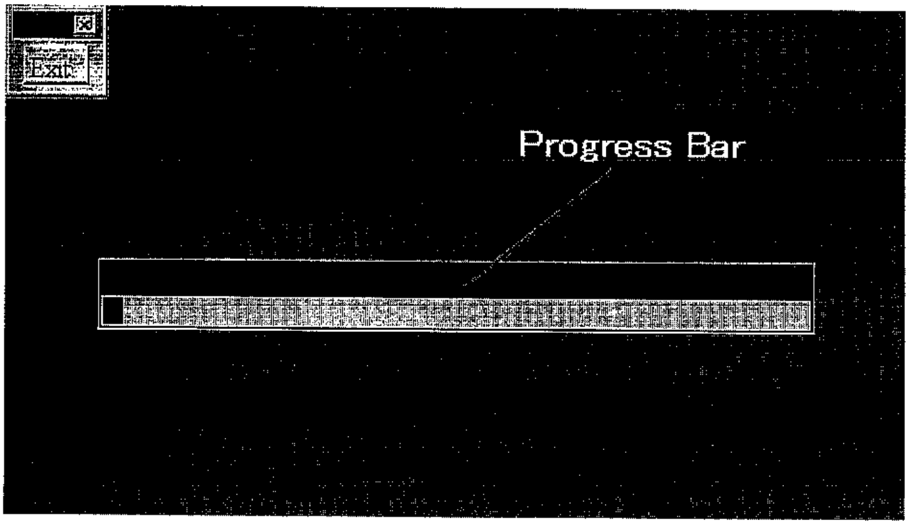
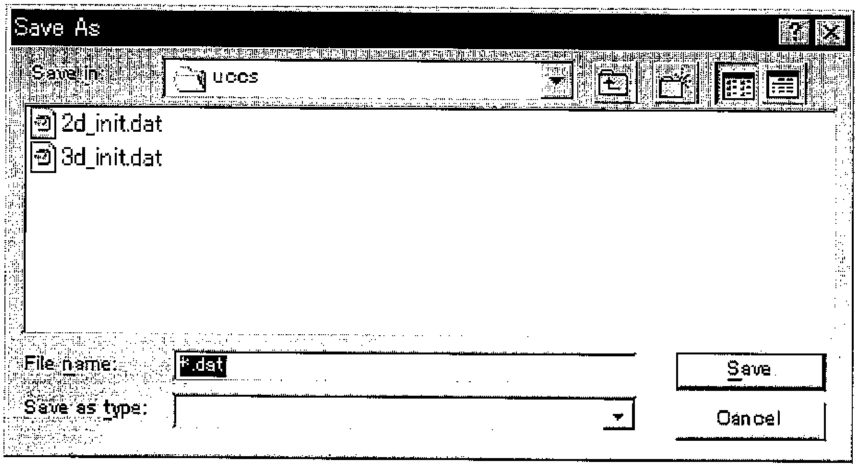

Exit
Progress Bar

Figure 10. The screen when data are read from the projector.


Save As
Save in:
uccs
2d_init.dat
3d_init.dat
Save as type:
Save
Cancel

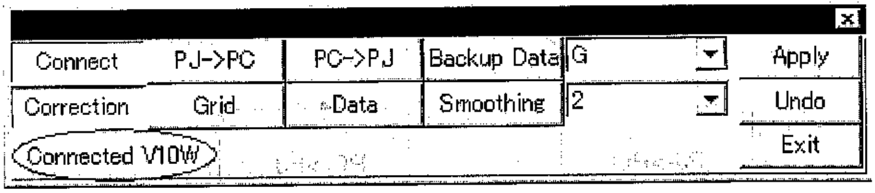
File name: *.dat

Figure 11. Input of the saving file name.

3. Push "Exit" button. The PC asks whether correction data are saved to a file. Be sure to save data. Writing of the data to the projector doesn't need to be done.

After replacing a PC board.

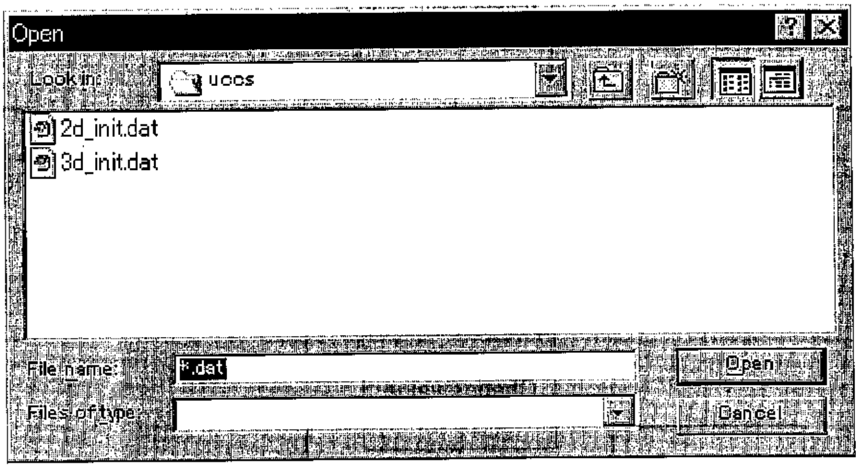
4. Push "Connect" button, and connect PC and a projector. After" Auto sync" is finished, the model name of the projector connected with the status area is displayed. When failed in the connection, ascertain that the connection of the RS232C cable and the power supply of the projector are in, and restart software again, and push Connect button again.


Connect
PJ->PC
PC->PJ
Backup Data
G
Apply
Correction
Grid
Data
Smoothing
2
Undo
Exit

Connected V10W

Figure 12. The condition that a projector and PC are connected.

5. Push the "PC->PJ" button and specify the file recorded before a PC board was replaced, and write data in the new PC board.


Open
Open
Cancel

Look in: uocs

2d_init.dat
3d_init.dat

File name: *.dat

Files of type:

Figure 12. Select a data file name from the list to write in the projector.

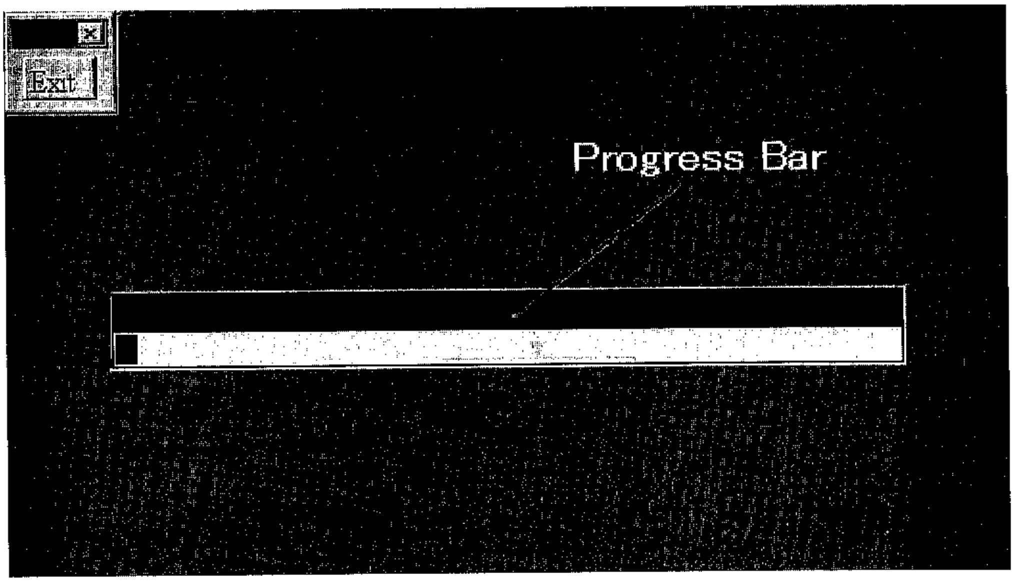

Exit
Progress Bar

Figure 14. The screen when data are being written in the projector.

6. Push "Exit" button. Saving the data to the file doesn't need to be done. And writing of the data to the projector doesn't need to be done.

When a PC board is replaced, the transfer of the data is necessary. The change of the data is unnecessary.

Show the flow chart of the above process in the Figure 15.

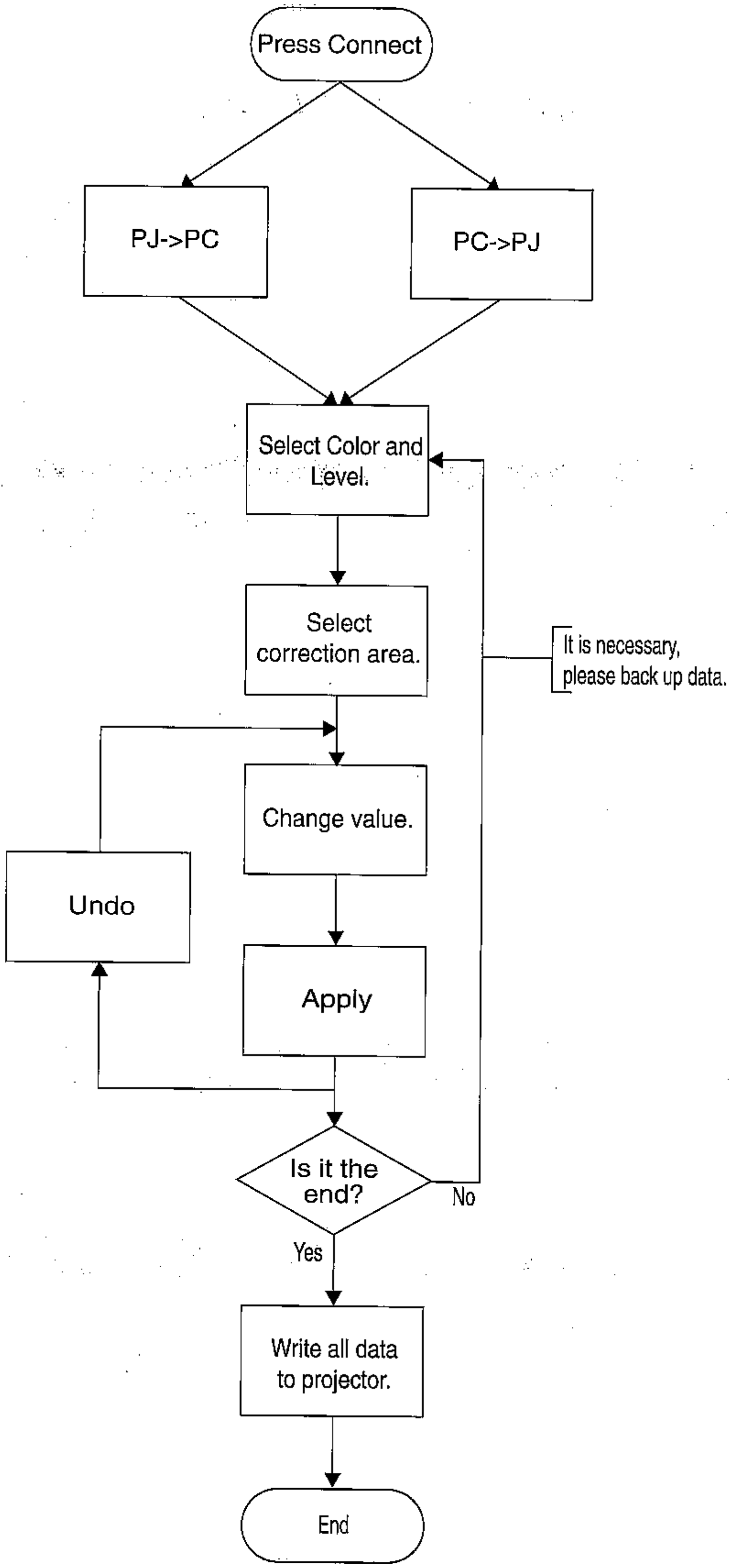

Press Connect
PJ->PC
PC->PJ
Select Color and Level.
Select correction area.
It is necessary, please back up data.
Change value.
Undo
Apply
Is it the end?
No
Yes
Write all data to projector.
End

Figure 15. The flow of the hand-operated correction.

5-8.OTHER NOTICE

- Noise sometimes appears on the character by PC to use. This phenomenon occurs because a projector is being made special setup. But, it is not a trouble.
  Adjust Bright and Contrast by the projector itself, and reduce noise when you can't see a character by the noise. But make sure the background remains in the same grayish tone.
- Former data are erased when data are written in the projector from the file. Be sure to save the data on the present projector before changing data on the projector.
- Sometimes, save the present condition in the file.
- Operation except for the forced termination of the software can't be done when the communication of the data is done between the projector and the PC.
- When forced termination is done, completion treatment may take time.
- A change isn't reflected when it turns on the projector again if all data aren't written in the projector when "Exit" button is pushed.
- The "CUSTOM GAMMA" is changed when this software is used. Send "CUSTOM GAMMA" again by using "SAPS" if necessary.
- Set up so that a screen may be displayed in the whole of the panel when correction is done. Change the size of the screen by using the "RESIZE" function. (Use "PICT MODE" with XV-DW100U.)
- Change "port" in "config.ini" when wanting to change the serial port of the PC from "COM1" to others. (For example, set up "port = COM2" when serial port is made COM2.)
- Click the right button of the mouse, and indicate pop up menu when you indicate an erased control window again. Then select "Show" from the menu.
- Don't operate a projector itself when execute this software.
- This software is for the service only. Don't deliver to the end user.

5-9.REFERENCE

- Do correction in as dark a place as possible.
- Correct color irregularity based on the central color of the screen.
- A correction block may be able to be seen in the part where correction value changes too much. Carry out "Smoothing" at that time. "Smoothing" can be carried out repeatedly.
- Necessary time for reading of the colour irregularity correction data of the projector is as the following. Necessary time changes by the performance of PC to use.

  Reference

XV-DW100U	1 minute 30 seconds
XG-P10XU/XE, PG-C30XU/XE	12 minutes
XG-V10WU/WE	30 minutes

- "Undo" is possible to 16 times.
- The increase and decrease of a color to correct and the relations of the change in the color in screen are as the following. For example, increase green when you correct the color irregularity of "Magenta".

Correction color	Increase	Color irregularity
Red	Red	Cyan
Green	Green	Magenta
Blue	Blue	Yellow

1. FARBABGLEICH

Ausgetauschtes Teil	Normale Einstellung	Spezielle Einstellung (mit Farbunregelmäßigkeitskorrektur-System)
1.LCD-Tafel	Farbabgleich (Siehe Abschnitt 2)	1. Automatisches Farbungleichmäßigkeits-Korrektursystem (Feineinstellung, siehe Abschnitt 4.) 2. Manuelles Farbungleichmäßigkeits-Korrektursystem (Grobeinstellung, siehe Abschnitt 5.)
2.PC Platine	Farbabgleich (Siehe Abschnitt 2)	Siehe "Auswechseln der PC-Platine" auf Seite 74.
3.Lampe	Einstellung des Lampenkanals (Siehe Abschnitt 3)	1. Automatisches Farbungleichmäßigkeits-Korrektursystem (Feineinstellung, siehe Abschnitt 4.) 2. Manuelles Farbungleichmäßigkeits-Korrektursystem (Grobeinstellung, siehe Abschnitt 5.)

2. FARBABGLEICH NACH AUSWECHSELN DER LCD-TAFEL UND DER PLATINE

Ohne Farbunregelmäßigkeitskorrektur-System

XV-DW100U

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
1	**Rückstellung der Farbungleichmäßigkeits-Korrekturfunktion**	1.Die folgende Wahl treffen: Gruppe: NOKO Gegenstand: CC	• Folgende Einstellung machen: Gegenstand: CC Einstellung: OFF (Farbunregelmäßigkeitskorrektur OFF)
2	**Sägezahnwellen-korrektur (G), (R)**	1. Das Grauskalensignal zuführen. (XGA 60Hz) 2. Das Schirmbild auf ungleichmäßige Farbflecken prüfen. 3. Die folgende Wahl treffen: Gruppe: NOKO Gegenstand: NOKO-RL	• Wenn die Farbe unregelmäßig ist, die Einstellung von NOKO-RL ON und OFF ändern, um die Farbunregelmäßigkeit zwischen linker und rechter Seite zu minimisieren. • Wenn keine Farbunregelmäßigkeit vorliegt, die Sägezahnwellenkorrektur mit SW4201 ausschalten. • ANMERKUNG: Gruppe NOKO Wenn NOKO-LH auf "L" oder SW4201 auf "OFF" eingestellt ist, arbeitet die Sägezahnwellenkorrektur nicht. Zum Durchführen der Sägezahnwellenkorrektur muß NOKO-LH auf "L" und SW4201 auf "ON" gestellt werden.
3	**Sägezahnwellenkorrektur-Verstärkung**	1. Das Grauskalensignal zuführen. (XGA 60Hz)	• R4215 justieren, um die Farbunregelmäßigkeit zwischen linker und rechter Seite zu minimisieren.

PG-C30XU/XE

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
1	**Rückstellung der Farbungleichmäßigkeits-Korrekturfunktion**	1.Die folgende Wahl treffen: Gruppe: NOKO Gegenstand: CC	• Folgende Einstellung machen: Gegenstand: CC Einstellung: 0 (Farbunregelmäßigkeitskorrektur ON) 1 (Farbunregelmäßigkeitskorrektur OFF)

XG-P10XU/XE

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
1	**Rückstellung der Farbungleichmäßigkeits-Korrekturfunktion**	1. Die folgende Wahl treffen: Gruppe: NOKO Gegenstand: CC	• Folgende Einstellung machen: Gegenstand: CC Einstellung: 0 (Farbunregelmäßigkeitskorrektur ON) 0 (Farbunregelmäßigkeitskorrektur OFF)
2	**Sägezahnwellen-korrektur**	1. Das Grauskalensignal zuführen. (XGA 60Hz) 2. Das Schirmbild auf ungleichmäßige Farbflecken prüfen. 3. Die folgende Wahl treffen: Gruppe: NOKO Gegenstand: NOKO-RL	• Wenn die Farbe unregelmäßig ist, die Einstellung von NOKO ON und OFF ändern, um die Farbunregelmäßigkeit zwischen linker und rechter Seite zu minimisieren. • Wenn keine Farbunregelmäßigkeit vorliegt, die Sägezahnwellenkorrektur mit SW4201 ausschalten. • ANMERKUNG: Gruppe NOKO Wenn NOKO-LH auf "L" oder SW4201 auf "OFF" eingestellt ist, arbeitet die Sägezahnwellenkorrektur nicht. Zum Durchführen der Sägezahnwellenkorrektur muß NOKO-LH auf "L" und SW4201 auf "ON" gestellt werden.
3	**Sägezahnwellenkorrektur-Verstärkung**	1. Das Grauskalensignal zuführen. (XGA 60Hz)	• R4215 justieren, um die Farbunregelmäßigkeit zwischen linker und rechter Seite zu minimisieren.

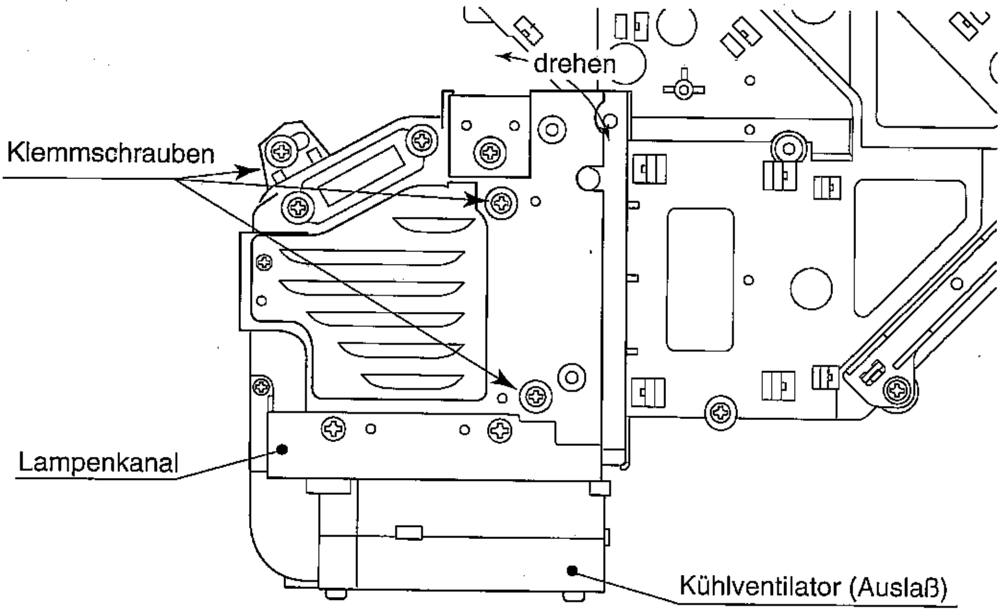
XG-V10WU/WE

Nr.	Einstellposition	Einstellbedingung	Einstellverfahren
1	**Farbunregelmäßigkeits-korrektur-Funktion**	1. Die folgende Wahl treffen: Gruppe: NOKO Gegenstand: CC	• Folgende Einstellung machen: Gegenstand: CC Einstellung: 0 (Farbunregelmäßigkeitskorrektur ON)
2	**Sägezahnwellen-korrektur (G), (R)**	1. Das Grauskalensignal zuführen. (XGA 60Hz) 2. Das Schirmbild auf ungleichmäßige Farbflecken prüfen. 3. Die folgende Wahl treffen: Gruppe: NOKO Gegenstand: NOKO-G Für die Farbe R den Gegenstand NOKO-R wählen.	• Wenn die Farbe unregelmäßig ist, die Einstellung von NOKO-G oder NOKO-R ändern, um die Farbunregelmäßigkeit zwischen linker und rechter Seite zu minimisieren. • Wenn keine Farbunregelmäßigkeit vorliegt, die Sägezahnwellenkorrektur mit SW4202 (rot) und SW4201 (grün) ausschalten.

3. FARBABGLEICH NACH AUSWECHSELN DER LAMPE

XV-DW100U

Einstellung des Lampenkanals

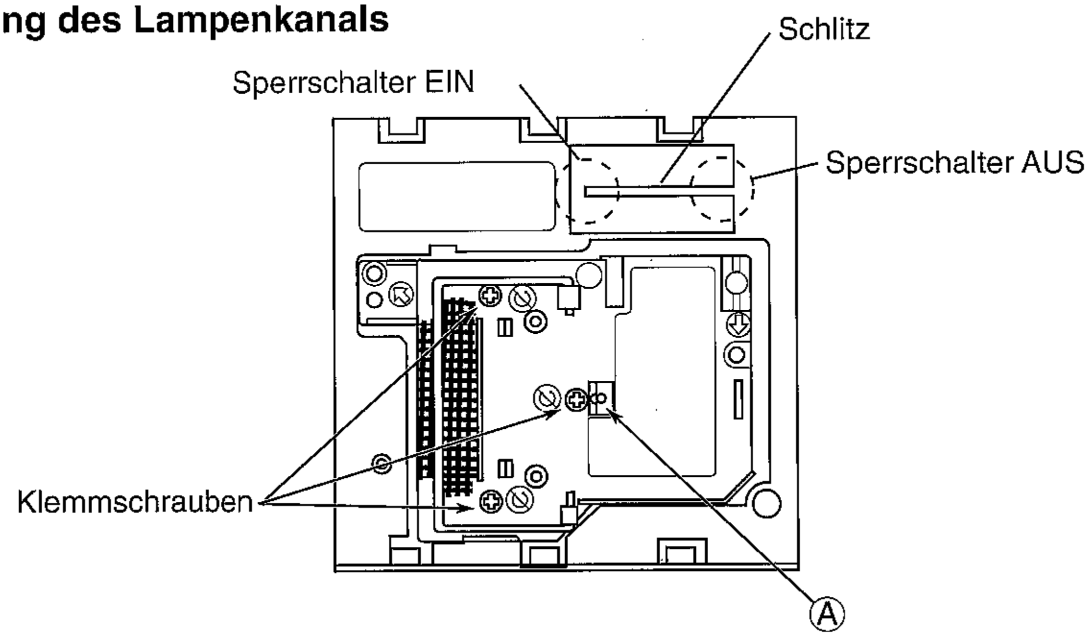


Nach Austauschen der Lampe erforderlicher Einstellvorgang, wenn Ungleichförmigkeit erkennbar ist. (Bei Ungleichförmigkeit zwischen der linken und rechten Seite)

(1) Die Lampe einschalten.
(2) Das Weißmustersignal zu 100% empfangen.
(3) Die Klemmschrauben des Lampenkanals lösen.
(4) Das weiße Bild auf dem Schirm beobachten und den Lampenkanal bis zur besten Gleichförmigkeit des Schirmbilds drehen.
(5) Die Klemmschrauben des Lampenkanals wieder anziehen. (Anzugsdrehmoment: 10 ± 2 kgcm)

PG-C30XU/XE

Einstellung des Lampenkanals

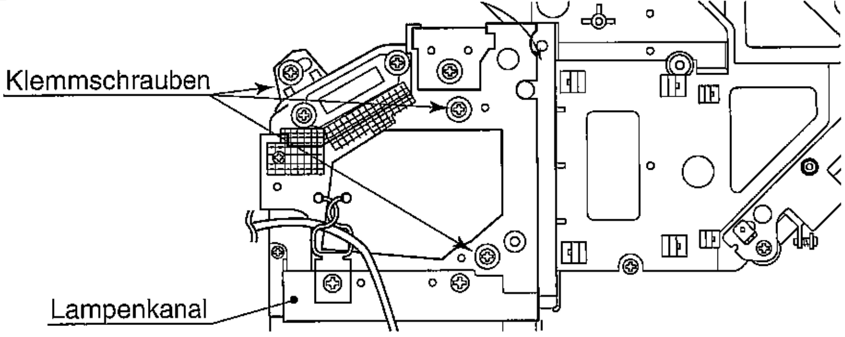


Lamp Unit (Bottom veiw)

(1) Den Projektor umdrehen, so daß die Oberseite unten ist.
(2) Die Lampentür vom Projektor abnehmen.
(3) Ein geeignetes Werkzeug (dünner Plastikstreifen usw.) in den Schlitz (siehe Abbildung) einführen. Zum Einschalten des Sperrschalters die linke Seite drücken. Zum Ausschalten die rechte Seite drücken.
(4) Die 3 Schrauben lösen (1/2 Umdrehung).
(5) Einen Exzenterschraubendreher (9DADRiVER-NV4U) an Punkt Ⓐ einführen. Ein weißes Schirmbild anzeigen und den Exzenterschraubendreher drehen, bis die Farbunregelmäßigkeit weitgehendst reduziert ist.
(6) Die gelösten Schrauben wieder anziehen.
(7) Die äußere Seite des ineinandergreifenden Schalters drücken.
(8) Die Lampentür wieder am Gehäuse anbringen.

XG-P10XU/XE

Einstellung des Lampenkanals

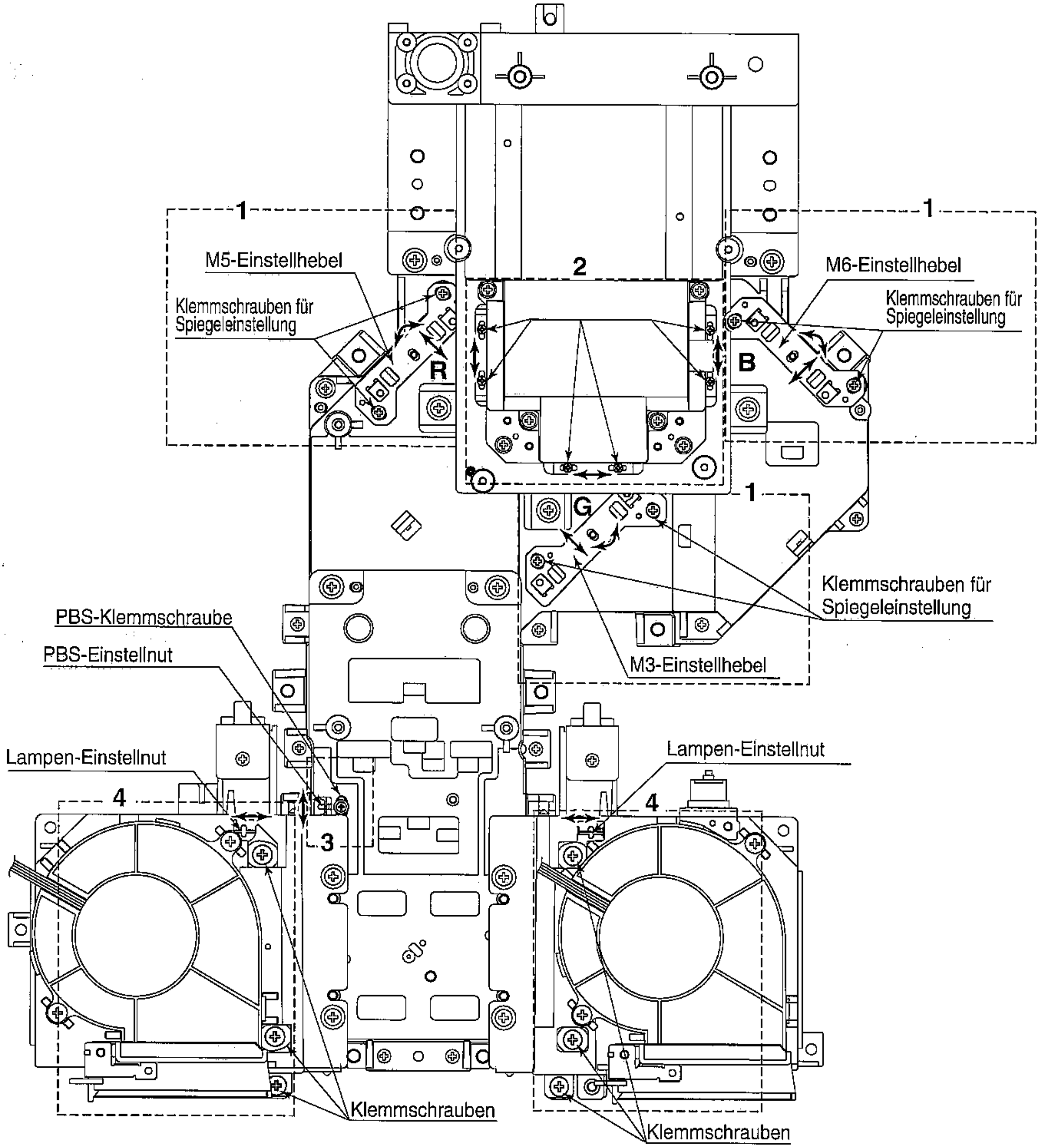


Nach Austauschen der Lampe erforderlicher Einstellvorgang, wenn Ungleichförmigkeit erkennbar ist. (Bei Ungleichförmigkeit zwischen der linken und rechten Seite)

(1) Die Lampe einschalten.
(2) Das Weißmustersignal zu 100% empfangen.
(3) Die Klemmschrauben des Lampenkanals lösen.
(4) Das weiße Bild auf dem Schirm beobachten und den Lampenkanal bis zur besten Gleichförmigkeit des Schirmbilds drehen.
(5) Die Klemmschrauben des Lampenkanals wieder anziehen. (Anzugsdrehmoment: 10 ± 2 kgcm)

XG-V10WU/WE

Einstellen der optischen Achse der Lampe


1
1
2
1
M5-Einstellhebel
Klemmschrauben für Spiegeleinstellung
R
M6-Einstellhebel
Klemmschrauben für Spiegeleinstellung
B
G
Klemmschrauben für Spiegeleinstellung
M3-Einstellhebel
PBS-Klemmschraube
PBS-Einstellnut
Lampen-Einstellnut
4
3
Lampen-Einstellnut
4
Klemmschrauben
Klemmschrauben

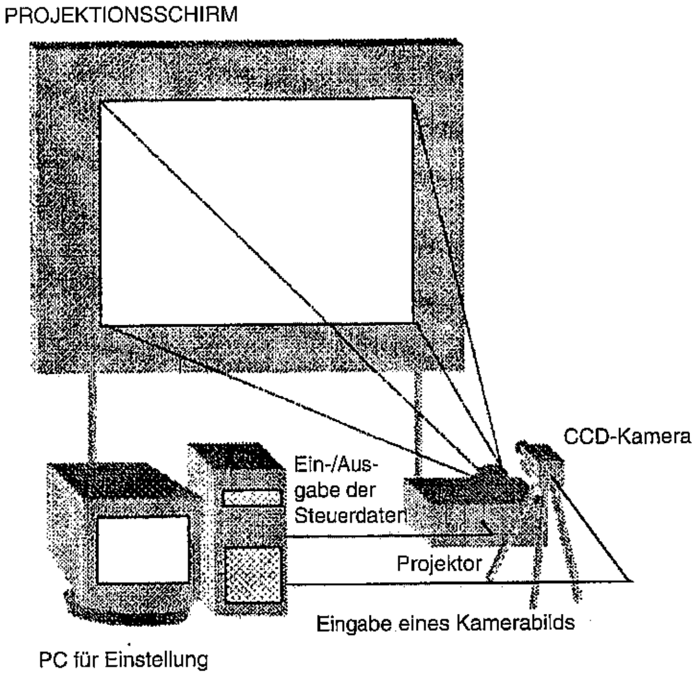
Die optische Achse der Lampe ist auf beste Farbgleichheit und Helligkeit optimiert. Im Normalfall ist diese Einstellung nicht erforderlich, da die Ersatz-Lampeneinheiten (BQC-XGV10WU/1) vor der Auslieferung werkseitig voreingestellt werden.

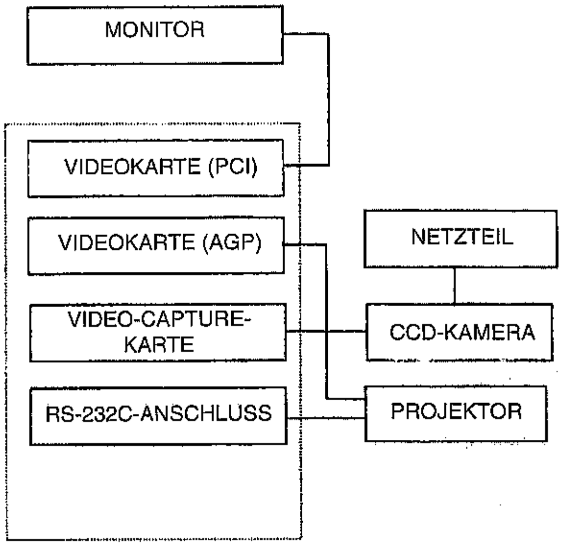
(1) Das Gerät einschalten.
(2) Die drei Lampen-Klemmschrauben lösen.
(3) Ein Nur-Weiß-Signal zuführen oder den Bearbeitungsmodus aufrufen und ein weißes Schirmbild anzeigen.
(4) Den Exzenterschraubendreher (9EQDRiVER-NV1A) in die Lampen-Einstellnut einführen.
(5) Das Bild auf dem Schirm betrachten und den Exzenterschraubendreher drehen, bis die Farben auf dem Schirm links und rechts am gleichförmigsten sind. Abschließend die Klemmschrauben wieder anziehen.

4. Automatisches Farbungleichmäßigkeits-Korrektursystem

4-1. Hardware für automatisches Farbungleichmäßigkeits-Korrektursystem

4-1-1. Erscheinungsbild und Blockdiagramm


PROJEKTIONSSCHIRM
CCD-Kamera
Ein-/Ausgabe der Steuerdaten
Projektor
Eingabe eines Kamerabilds
PC für Einstellung


MONITOR
VIDEOKARTE (PCI)
VIDEOKARTE (AGP)
VIDEO-CAPTURE-KARTE
RS-232C-ANSCHLUSS
NETZTEIL
CCD-KAMERA
PROJEKTOR

4-1-2. Erforderliche Ausrüstung und Spezifikationen

Das Video-Capture-Board (Nr. 3) in Japan bestellen. Alle anderen Bauteile vor Ort beschaffen.

Erforderliche Ausrüstung	SPEZIFIKATION
1. Personal-Computer und Monitor	●CPU Pentium III 450MHz oder schneller (Bei CPUs mit Mindest-Spezifikation oder darunter kann es vorkommen, daß die Verarbeitungsgeschwindigkeit zu niedrig ist.) ● Chip-Bestückung Intel 440BX wird empfohlen (siehe Anmerkung weiter unten) ● Speicher SDRAM 64MB oder mehr ● Freier Festplattenspeicher 20 MB oder mehr (Zum Festhalten der Einstelldaten. Eine Festplatte mit möglichst viel Speicherplatz verwenden.) ● CD-ROM-Laufwerk Wird für die Installation der Software benötigt. ● Videokarte (AGP) Mit Multi-Monitor-Spezifikation. Auflösung 1280 x 1024 oder höher. Ausgabemöglichkeit für 16-Bit-Farben.

Erforderliche Ausrüstung	SPEZIFIKATION
	● Freie Kartensteckplätze PCI-Bus x 2 oder mehr ● Monitor 17-Zoll-Bildschirm oder größer wird empfohlen
2. Videokarte (PCI)	Mit Multi-Monitor-Spezifikation. Auflösung 1280 x 1024 oder höher. Ausgabemöglichkeit für 16-Bit-Farben. * Mit der PCI-Videokarte des zu verwendenden Personal-Computers kombinieren und die AGP-Videokarte wählen, mit der der Monitor gewöhnlich läuft. Einzelheiten erfragen Sie bitte beim Hersteller des Personal-Computers bzw. der Videokarte.
3. Video-Capture-Karte (In Japan zu bestellen.)	RUNTK0698CEZZ (FDM-PCI/RGB Hersteller: PHOTORON Ltd.)
4.CCD-KAMERA	XC-003 NTSC (Hersteller: Sony Co., Ltd.)
5.Netzteil der Kamera	DC-777 (Hersteller: Sony Co., Ltd.)
6.Objektiv	VCL-08WM (Hersteller: Sony Co., Ltd.) oder J6X11 (Hersteller: Canon Co.,Ltd.)
7.Betriebssystem	WIndows®98, Windows®98 SE (SecondEdition)
8.Farbunregelmäßigkeitskorrektur-Software	Hersteller: Sharp Corp.
9.Verbindungskabel	CCXC-9DD x 1 (RGB-Kamerakabel) - Hersteller: Sony Co., Ltd. CCXC-12P05S x 1 (Kamera-Netzkabel) - Hersteller: Sony Co., Ltd. Monitorkabel (im Fachhandel erhältlich) RS-232C-Nullkabel (im Fachhandel erhältlich)

ANMERKUNG:

Diese Software läuft nicht auf Personal-Computern mit der folgenden Chip-Bestückung.
(Die Software läuft nicht mit Chip-Bestückung nach UMA-Spezifikation.)

Intel : 82430VX, Intel810, Intel 815
VIA : ApolloVP1, ApolloMVP4
SiS : SiS5597/5598, SiS530, SiS620
UMC: UM8891

WEITERE ANMERKUNG:

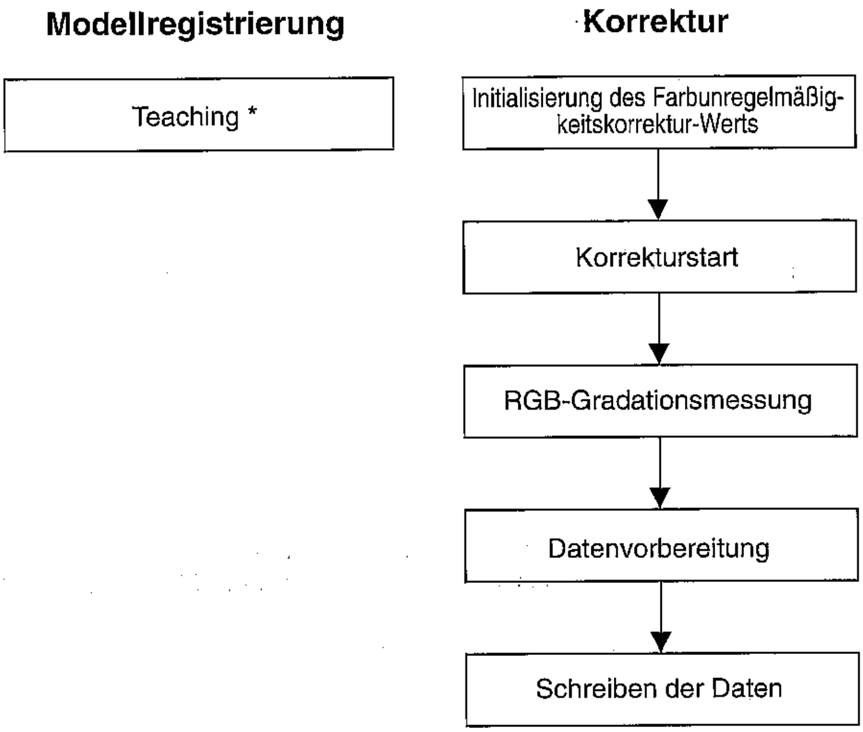
Einen reflexionsarmen Projektionsschirm verwenden. Die Kamera auf ein Stativ od. gl. stellen.

4-2. FARBABGLEICH MIT FARBUNREGELMÄSSIGKEITSKORREKTUR-DATENLESESOFTWARE

Diese Software (UDSKA0039CEN1) ist die Steuersoftware des Farbunregelmäßigkeits-Korrekturgeräts.
Die Software ermittelt den Farbunregelmäßigkeitskorrektur-Wert, übermittelt entsprechende Daten an den Projektor und speichert diese Daten als Datei.
Diese Software kann von der Homepage von SHARP Intranet heruntergeladen werden.

URL: http://172.24.145.13/tcg-qrc/prj/default_e.htm
NAME: Projector referrls (im Service von QUICS)
Setup-Dateiname: C104inst.exe

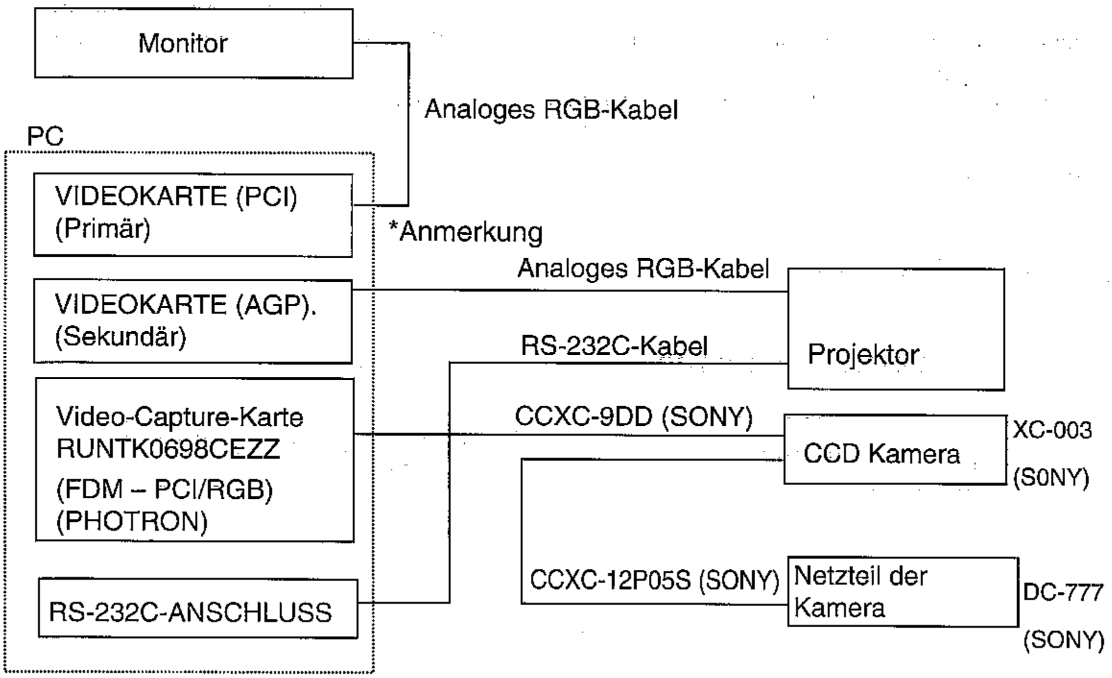
4-3. Bedienungsübersicht


Modellregistrierung
Korrektur
Teaching *
Initialisierung des Farbunregelmäßigkeitskorrektur-Werts
Korrekturstart
RGB-Gradationsmessung
Datenvorbereitung
Schreiben der Daten

☐ Ein Korrekturgerät verwenden.

* Teaching (Lehreingabe) ist gewöhnlich nicht erforderlich.
Die als Standardvorgabe vorhandenen Teaching-Daten können problemlos zur Farbunregelmäßigkeitskorrektur eingesetzt werden.
Teaching wird nur erforderlich, wenn das Korrekturergebnis nicht zufriedenstellend ist.
Die als Standardvorgabe gespeicherten Teaching-Daten sind die bei der Fertigung verwendeten Daten.

Anschlusss


Monitor
Analoges RGB-Kabel
PC
VIDEOKARTE (PCI)
(Primär)
*Anmerkung
Analoges RGB-Kabel
VIDEOKARTE (AGP).
(Sekundär)
RS-232C-Kabel
Projektor
Video-Capture-Karte
RUNTK0698CEZZ
(FDM – PCI/RGB)
(PHOTRON)
CCXC-9DD (SONY)
CCD Kamera
XC-003
(SONY)
RS-232C-ANSCHLUSS
CCXC-12P05S (SONY)
Netzteil der
Kamera
DC-777
(SONY)

*Anmerkung

Dieses Gerät gibt mit der Multi-Monitor-Funktion ein Bildsignal an den Projektor aus.
Den Monitor an die primäre Videokarte anschließen. Der Projektor wird je nach Modell ggf. an die sekundäre Videokarte angeschlossen.
Nur Modell XV-DW100U muß an eine sekundäre Videokarte angeschlossen werden.
Da beim PG-C30XU/XE / XG-P10XU/XE / XV-V10WU/WE ein internes Signalmuster verwendet wird, ist der Anschluß an eine Videokarte nicht erforderlich. Als Eingang ist bei allen Modellen INPUT1 zu verwenden.
Die Multi-Monitor-Funktion arbeitet je nach Video-Karten-Kombination in gewissen Fällen nicht. Und wenn entweder AGP oder PCI als primärer Videoausgang definiert ist, arbeitet die Multi-Monitor-Funktion unter Umständen nicht einwandfrei.
Wenn beispielsweise PCI nicht als primärer Ausgang definiert ist, arbeitet die Multi-Monitor-Funktion mit der Kombination GA-SV432/PCI (PCI) und GA-SV432/AGP4 (AGP) von IO-DATA nicht.
Die Definierung von AGP oder PCI als primärer Ausgang erfolgt mit dem BIOS des PC.

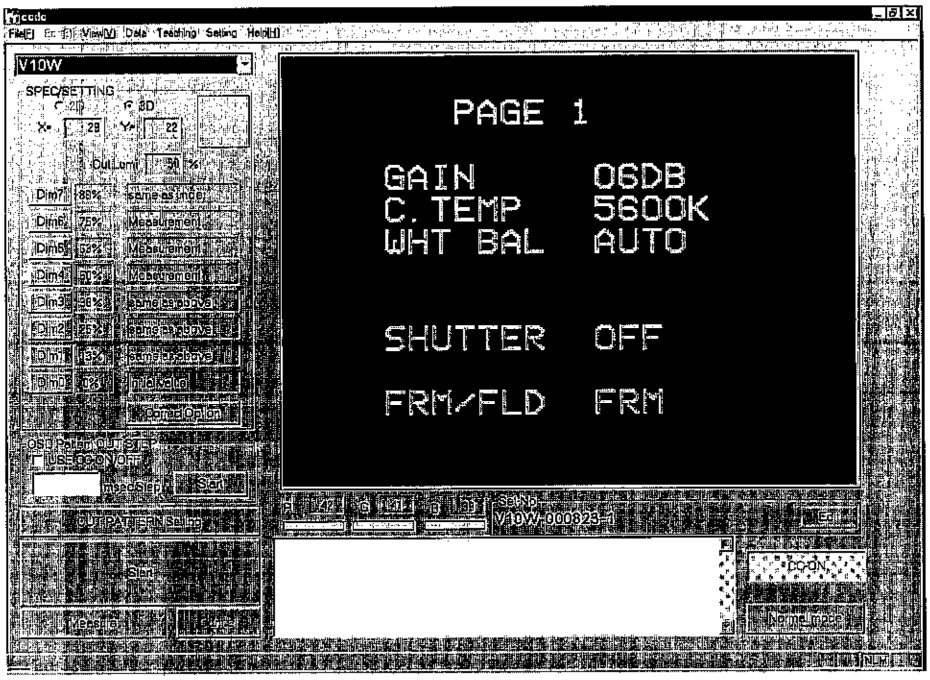
4-4. Installation und Konfiguration

■ Installation der Software

SETUP.EXE auf der Software-CD ausführen.
Das Programm des Farbunregelmäßigkeitskorrektur-Systems von Sharp Corp. wird installiert.

■ Einstellung der Kamera

Einstellung des Inneren einer SONY XC-003. (Die Einstellung mit der MENU-Schaltfläche neben der Kamera angeben.)
Folgendermaßen konfigurieren.

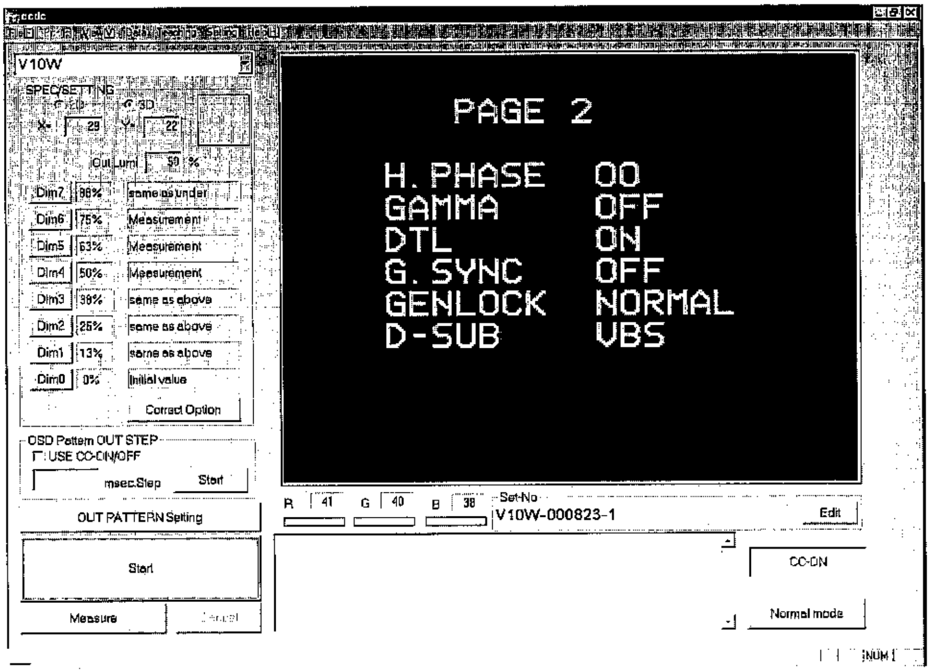


```
PAGE 1

GAIN        06DB
C.TEMP      5600K
WHT BAL     AUTO

SHUTTER     OFF

FRM/FLD     FRM
```

Set-No V10W-000823-1

ccdc
File Edit View Data Teaching Setting Help
V10W
SPEC/SETTING
Out Lumi
OSD Pattern OUT STEP
USE CC-ON/OFF
msec.Step
Start
OUT PATTERN Setting
Measure
CC-ON
Normal mode
NUM

Der anfängliche GAIN-Wert ist 06. GAIN kann bis 12 angehoben werden, wenn das Bild zu dunkel ist und bei der Einstellung nicht erfaßt wird.



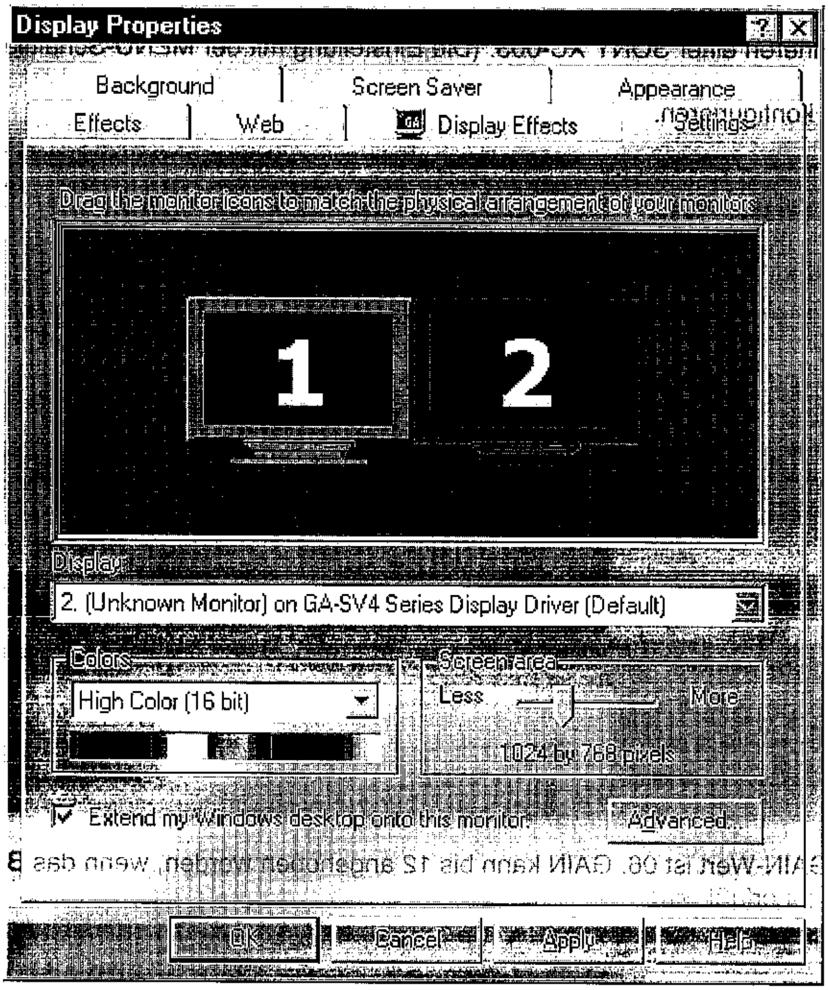
```
PAGE 2

H.PHASE     00
GAMMA       OFF
DTL         ON
G.SYNC      OFF
GENLOCK     NORMAL
D-SUB       VBS
```

V10W
X- 29 Y- 22
Out Lumi 50 %
Dim7 88% same as under
Dim6 75% Measurement
Dim5 63% Measurement
Dim4 50% Measurement
Dim3 38% same as above
Dim2 25% same as above
Dim1 13% same as above
Dim0 0% Initial value
☐ USE CC-ON/OFF
R 41 G 40 B 38
Set-No V10W-000823-1

ccdc
SPEC/SETTING
2D
3D
Correct Option
OSD Pattern OUT STEP
msec.Step
Start
OUT PATTERN Setting
Start
Measure
Cancel
Edit
CC-ON
Normal mode
NUM

■ Dieses System arbeitet mit der Multi-Monitor-Funktion von Windows98.

Vor Gebrauch des Systems die Betriebsumgebung des PC so konfigurieren, daß die Multi-Monitor-Funktion genutzt werden kann.
Die Auflösung von sowohl dem primären als auch dem sekundären Videoausgang auf 1024 x 768 einstellen.


Display Properties
?
X
Background
Screen Saver
Appearance
Effects
Web
Display Effects
Settings
1
2
Less
More
Advanced...
OK
Cancel
Apply
Help

Drag the monitor icons to match the physical arrangement of your monitors.

Display:
2. (Unknown Monitor) on GA-SV4 Series Display Driver (Default)

Colors: High Color (16 bit)

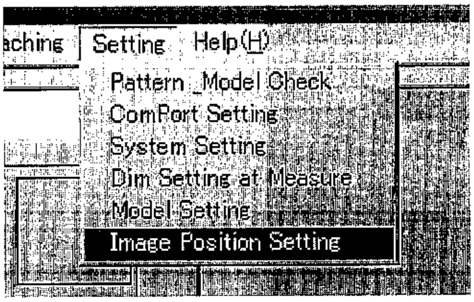
Screen area: 1024 by 768 pixels

☑ Extend my Windows desktop onto this monitor

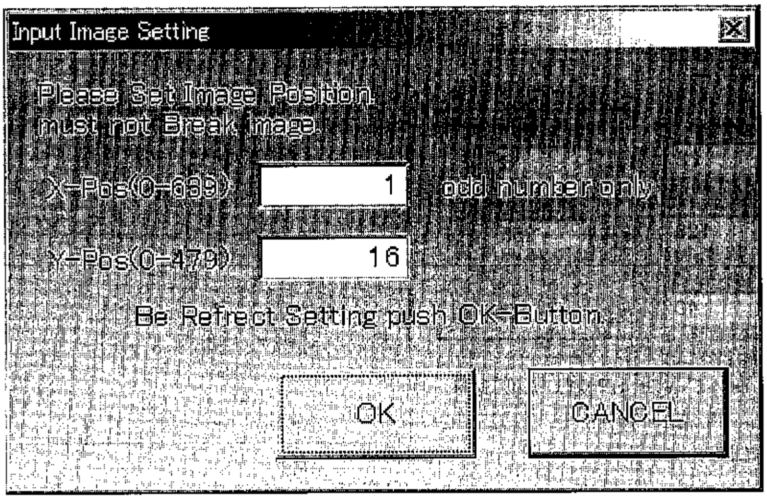
■ Konfiguration der Video-Capture-Karte RUNTK0698CEZZ (FDMPCI-RGB von PHOTORON)

Konfigurieren Sie die Video-Capture-Karte nach Installation und Anschluß gemäß den folgenden Beschreibungen.

Aufnahmen machen, bei denen das Kamerabild insgesamt hell ist.
Das Softwareprogramm starten und prüfen, ob alle Kamerabilder im Bildrahmen des Hauptbildschirms angezeigt werden.
Es kann vorkommen, daß die Bilder beschnitten sind und ein schwarzer Balken zu sehen ist.
In diesem Fall im Menü [Setting] - [Image Position Setting] wählen.


ching
Setting
Help(H)
Pattern_Model Check
ComPort Setting
System Setting
Dim Setting at Measure
Model Setting
Image Position Setting

Das folgende Dialogfenster wird angezeigt.


Input Image Setting
OK
CANCEL

Please Set Image Position.
must not Break Image.

X-Pos(0-639) 1 odd number only

Y-Pos(0-479) 16

Be Refrect Setting push OK-Button.

Die obere linke Koordinate des eingegebenen Bildes eingeben.

Anmerkung
An der X-Position darf nur eine ungerade Zahl eingegeben werden. Bei geraden Zahlen ändert sich die Farbe.

Die Bildposition ändert sich beim Anklicken der OK-Schaltfläche.

Beispiel: Wenn rechts auf dem Bildschirm ein schwarzer Balken zu sehen ist, die X-Positionen erhöhen.

■ Meßbedingungen

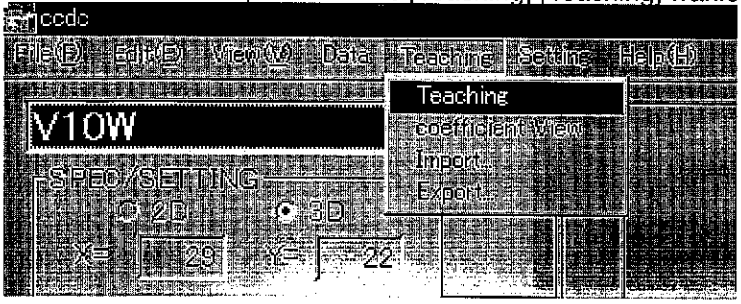
① Dunkelkammer (es darf kein Licht eindringen)
② Einen Streureflexionsbildschirm mit geringer GAIN-Verstärkung verwenden.

4-5. Teaching

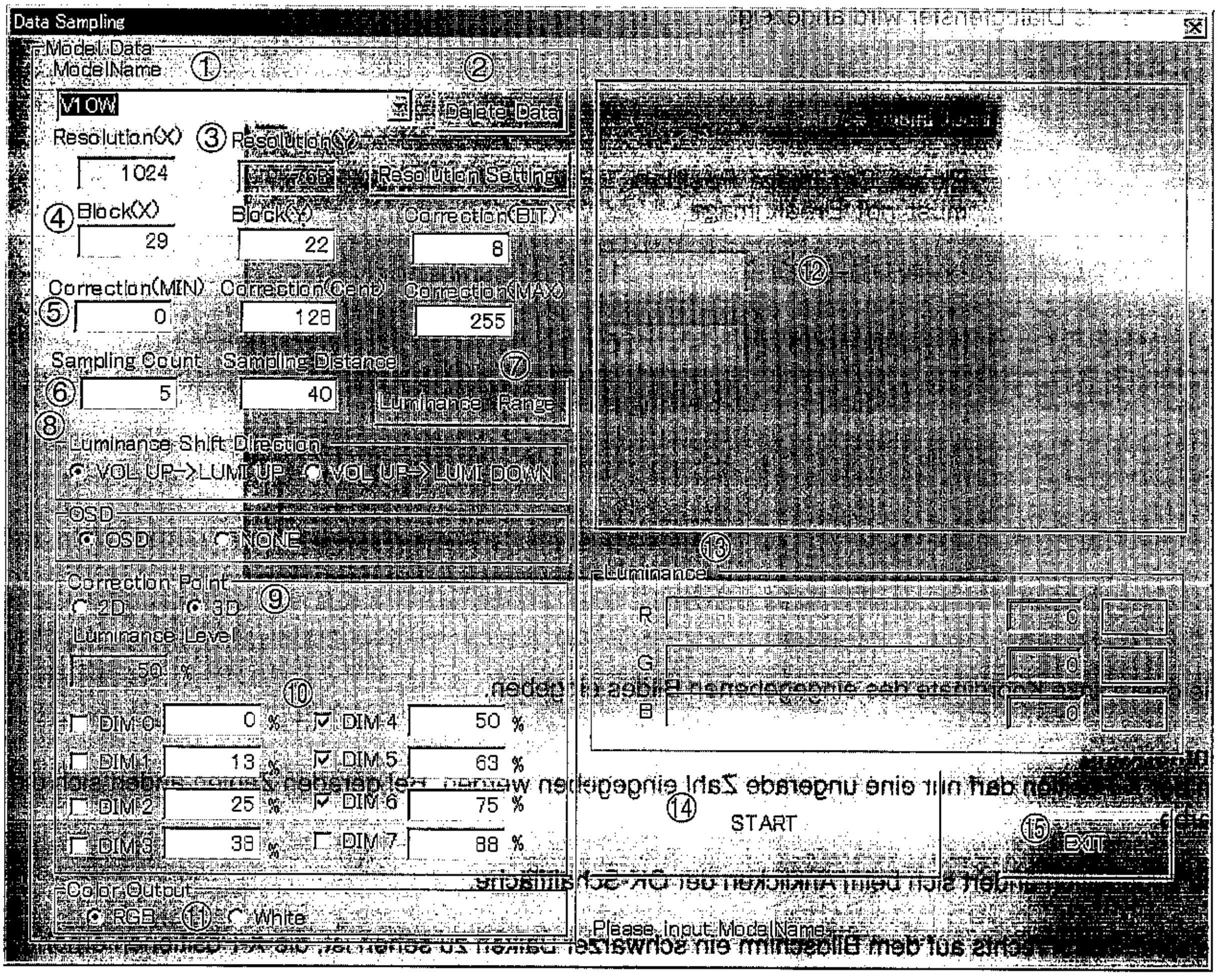
Die R-, G- und B-Luminanzschwankungsmerkmale für jedes einzelne Modell bestimmen, indem die Korrekturwerte beim Lernprozeß notiert werden.

Der Teaching-Vorgang ist, wie zuvor bereits erläutert, normalerweise nicht erforderlich. Für die Farbunregelmäßigkeitskorrektur können die Teaching-Daten der Standardvorgabe verwendet werden. Teaching wird nur notwendig, wenn der endgültige Korrekturpegel nicht stimmt.

Vom Menü des Hauptbildschirms [Teaching]-[Teaching] wählen.


ccdc
File(F) Edit(E) View(V) Data Teaching Setting Help(H)
Teaching
coefficient View
Import...
Export...
V10W
SPEC/SETTING
○ 2D ● 3D
X= 29 Y= 22

■ Beschreibung des Teaching-Bildschirms


Data Sampling
Model Data
① ② Delete Data
③ Resolution Setting
④
⑦ Luminance Range
⑨ ⑩ ⑪ ⑫ ⑬
⑭ START
⑮ EXIT

ModelName V10W
Resolution(X) 1024
Resolution(Y) 768
Block(X) 29
Block(Y) 22
Correction(BIT) 8
Correction(MIN) 0
Correction(Cent) 128
Correction(MAX) 255
Sampling Count 5
Sampling Distance 40
Luminance Shift Direction ● VOL UP->LUMI UP ○ VOL UP->LUMI DOWN
OSD ● OSD ○ NONE
Correction Point ○ 2D ● 3D
Luminance Level 50 %
☐ DIM 0 0 %
☐ DIM 1 13 %
☐ DIM 2 25 %
☐ DIM 3 38 %
☑ DIM 4 50 %
☑ DIM 5 63 %
☑ DIM 6 75 %
☐ DIM 7 88 %
Color Output ● RGB ○ White
Luminance
R 0
G 0
B 0
Please Input ModelName

① Modellname
Den Namen (Registrieristrierungsnamen) des Modells eingeben, fär das der Teaching-Vorgang durchgeführt wird. (1-Byte-Zeichen: maximal 64)
Wenn für ein bereits registriertes Modell ein erneuter Teaching-Vorgang durchgeführt werden soll, den betreffenden Modellnamen aus der Liste auswählen.

② Daten löschen-Schaltfläche
Zum Löschen der bei ① gewählten Modelldaten.

③ Auflösung (X), Auflösung (Y)
Zum Spezifizieren der X- und Y-Auflösung des per Multi-Monitor-Funktion auszugebenden Bildsignals.

④ Block (X), Block (Y), Korrektur (BIT)
Zum Spezifizieren der Zahl der X- und Y-Teilungen sowie der Bits des Farbunregelmäßigkeitskorrektur-IC.

		PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE	XV-DW100U
Korrekturnummer X-Richtung	:	29	14
Korrekturnummer Y-Richtung	:	22	13
Anzahl Korrekturbits	:	8	6

⑤ Korrektur (MIN), Korrektur (Mitte), Korrektur (MAX)
Zum Spezifizieren des kleinsten, größten und mittleren Werts für den Einstellwertebereich des Farbunregelmäßigkeitskorrektur-IC.

		PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE	XV-DW100U
Korrektur (MIN)	:	0	0
Korrektur (Mitte)	:	128	32
Korrektur (MAX)	:	255	63

⑥ Teaching-Zählung, Teaching-Abstand
Um die R-, G- und B-Luminanzschwankungsmerkmale zu erhalten, müssen die Korrekturwerte und die Luminanzpegel bei normalem Zeilenabstand verändert werden.
Hier wird die Anzahl an Stichproben und das Teaching-Intervall spezifiziert.
Die Lernprozeß-Punkte werden mit zwei Faktoren berechnet: dem Zeilenabstand und der Anzahl der Punkte (beide durch den durchschnittlichen Einstellwert bestimmt).

		PG-C30XU/XE / XG-P10XU/XE // XG-V10WU/WE	XV-DW100U
Teaching-Zählung	:	5	5
Teaching-Abstand	:	40	10

Die Lernprozeß-Punkte lassen sich in Bereich von minimal (0) bis maximal (255) einstellen.

⑦ Leuchtdichtebereich-Schaltfläche
Die Blende der Kamera wird beim Teaching-Vorgang eingestellt, und die Helligkeit des eingegebenen Bilds muß in einem festen Bereich liegen. Das Gerät ist so ausgeführt, das es nicht zum nächsten Schritt übergeht, wenn die Helligkeit nicht in diesem festen Bereich liegt.
Im Normalfall wird der vorgegebene Standardwert verwendet. Sollte die Helligkeit nicht im vorgeschriebenen Bereich liegen, kann dieser Wert verändert werden.
Beim Anklicken der Leuchtdichtebereich-Schaltfläche erscheint das Dialogfeld für die Bereichseinstellung. Der Wert wird hier eingegeben.
Kleinster Wert : 150 Größter Wert :230.

⑧ Leuchtdichte-Änderungsrichtung
Je nach Modell spezifizieren.
Bei Modellen, deren Leuchtdichtewert beim Erhöhen des Einstellwerts zunimmt (+ Richtung), "VOL UP->LUMI UP" markieren.
Bei Modellen, deren Leuchtdichtewert beim Erniedrigen des Einstellwerts zunimmt (- Richtung), "VOL UP->LUMI DOWN" markieren.

PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE	XV-DW100U
"VOL UP->LUMI UP"	"VOL UP->LUMI DOWN"

⑨ Korrekturpunkt (2D oder 3D)
Je nach Modell spezifizieren.

PG-C30XU/XE, XG-P10XU/XE, XG-V10WU/WE	XV-DW100U
3D	2D

⑩ Korrekturpunkt (Gradation, Signalpegel)
Zur Auswahl der einzustellenden Gradation.
Zum erneuten Konfigurieren des Weißsignalpegels jeder Gradation.

PG-C30XU/XE, XG-P10XU/XE, XG-V10WU/WE
Einzustellende Gradation: 3 Gradationen 4, 5, 6
Weißpegel jeder Gradation:
DIM 0 0%, DIM 1 13%, DIM 2 25%, DIM 3 38%,
DIM 4 50%, DIM 5 63%, DIM 6 75%, DIM 7 88%

XV-DW100U
Die Einstellungssignalpegel: 50%

⑪ Farbausgabe
Hier wird spezifiziert, ob die Anzeige und Einstellung mit RGB einfarbig oder mit Weiß erfolgen soll.

PG-C30XU/XE / XG-P10XU/XE / XG-V10WU/WE
Mit RGB einstellen.

⑫ Bildanzeigerahmen
Das Kamerabild wird in diesem Feld angezeigt.

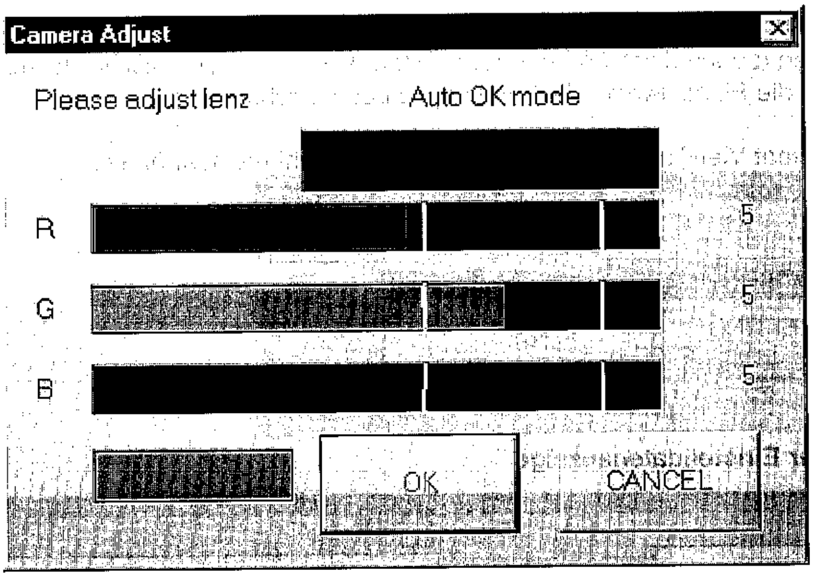
⑬ Leuchtdichteanzeige
Die Leuchtdichte im Zentrum des Kamerabilds wird hier auf einer Balkenanzeige und als Wert (256 Abstufungen) angezeigt.

⑭ Start-Schaltfläche
Wird zum Starten des Teaching-Vorgangs angeklickt. Wenn eine falsche Eingabe gemacht wird, erscheint eine Alarmmeldung. Der Lernprozeß hat noch nicht begonnen.

⑮ Beenden-Schaltfläche
Wird nach dem Teaching-Vorgang zum Beenden des Programms angeklickt.
Ermittelte Daten werden nicht gespeichert.

■ Der Teaching-Eingabeprozeß

① Modellinformation wie Modellnamen usw. eingeben.
Wie dieses Daten eingegeben werden, ist auf dem Teaching-Bildschirm beschrieben.
② Auf die "START"-Schaltfläche klicken.
③ Die Anfangsdaten werden übermittelt.
④ Die Kamera so positionieren, daß das Bild im Anzeigerahmen liegt. Daten können nicht einwandfrei erfaßt werden, wenn das Bild aus diesem Rahmen ragt. In einem solchen Fall die Kamera erneut ausrichten, da andernfalls bei der Erfassung ein Fehler angezeigt wird.
⑤ Die Blende der Kamera einstellen und den Balken von R, G, B in den Bereich der gelben Linie bringen. Wenn unten links "Push AWB" angezeigt wird und ein Weißabgleich erforderlich ist, die "auto-white balance"-Taste der Kamera drücken.
Die Kamera ist gewöhnlich auf automatischen OK-Modus eingestellt. Wenn die Einstellung des Balkens von R, G, B im richtigen Bereich liegt, läuft nach etwa zwei Sekunden der nächste Schritt an. Beim Anklicken der "OK"-Schaltfläche beginnt der Schritt sofort.
Wenn ein Weißabgleich erforderlich wird, schaltet die Kamera in den Handbetrieb-OK-Modus. Nach dem Abgleich auf die "OK"-Schaltfläche klicken.



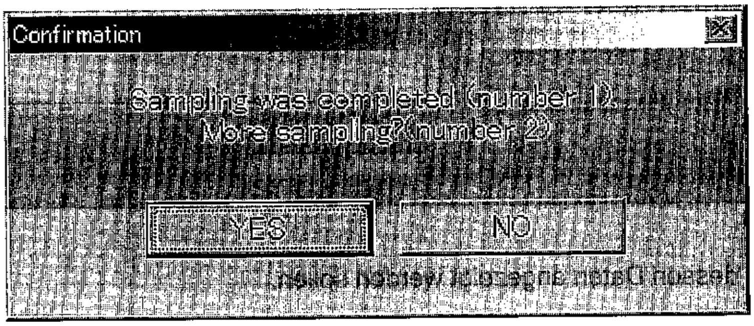
Please adjust lenz

Auto OK mode

⑥ Die Messungen der jeweils spezifizierten Teaching-Punkte durchführen. Die Blendeneinstellung der Kamera mit demselben Prozeß ausführen.

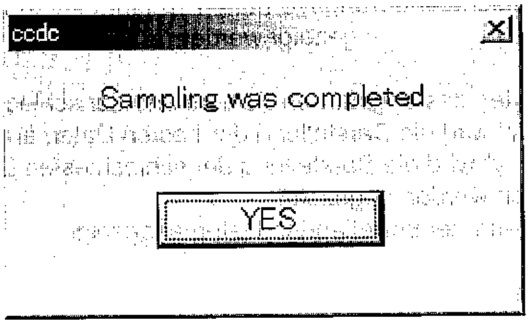
⑦ Nach Beendigung aller Messungen fragt ein Diaologbildschirm, ob der Teaching-Prozeß fortgesetzt werden soll. Wenn Durchschnittswerte mit mehreren Projektoren ermittelt werden sollen, den Projektor durch den nächsten ersetzen und dann auf "YES" klicken. (Für die zweite und die folgenden Einheiten ist der gleiche Lernprozeß auszuführen.)

Zum Beenden des Teaching-Vorgangs auf "NO" klicken.



Sampling was completed (number 1).
More sampling?(number 2)

⑧ "YES" im Schritt ⑦ anklicken. Wenn "NO" angeklickt wird, erscheint die Meldung "COMPLETE" am Bildschirm.



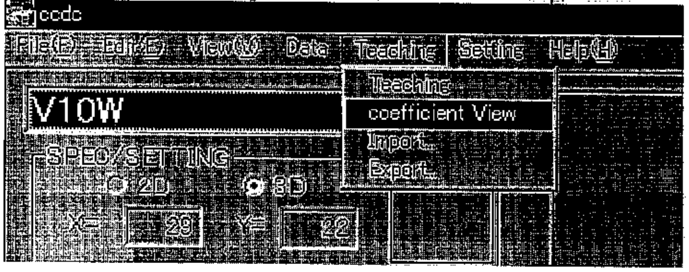
Sampling was completed

Der Lernprozeß ist nun abgeschlossen, und die Modelldaten werden registriert.

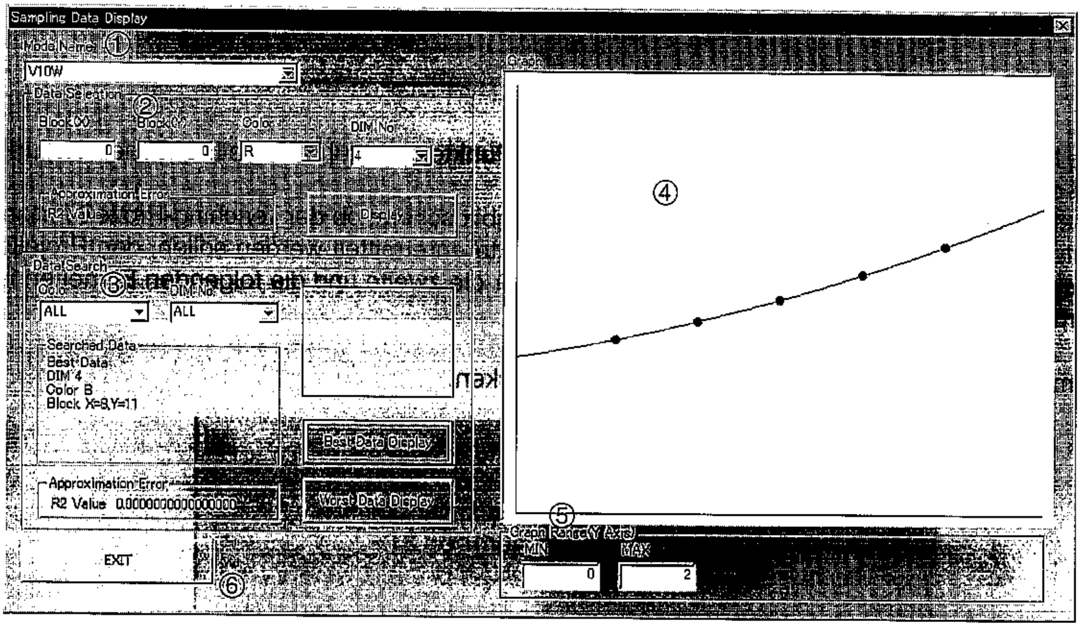
4-6. Anzeigen eines Koeffizienten

Die Teaching-Daten (Leuchtdichteänderungsverhalten) können als graphische Darstellung angezeigt werden. Die X-Achse zeigt die Einstellwerte, die Y-Achse die Leuchtdichtewerte.

[Teaching]-[coefficient View] aus dem Menü des Hauptbildschirms auswählen.


ccdc
File(F)
Edit(E)
View(V)
Data
Teaching
Setting
Help(H)
Teaching
coefficient View
Import...
Export...
V10W
SPEC/SETTING
○ 2D
● 3D
X= 29
Y= 22

■ **Beschreibung der Einstelldatenanzeige**


Sampling Data Display
Mode Name ①
Data Selection ②
Data Search ③
④
⑤
Best Data Display
Worst Data Display
EXIT ⑥
Graph Range(Y Axis)
Display

Mode Name: V10W

Block(X): 0 Block(Y): 0 Color: R DIM No: 4

Color: ALL DIM No: ALL

Searched Data
Best Data
DIM 4
Color B
Block X=8,Y=11

Approximation Error
R2 Value 0.0000000000000000

MIN 0 MAX 2

① Modellname
Das Modell wählen, dessen Daten angezeigt werden sollen.

② Datenauswahlfelder
Das Feld für die anzuzeigenden Daten auswählen sowie eine Farbe und Gradation auswählen.
Nach Anklicken der "Display"-Schaltfläche zeigt eine graphische Darstellung die jeweiligen Koordinatenpunkte der gewählten Daten an.
Auf diese Weise können das Leuchtdichteänderungsverhalten (ungefähre Kurve) und Fehlerangaben (ungefähre Fehlerwerte) der aktuellen Meßwerte angezeigt werden.

③ Datensuchbereich
Spezifiziert den Bereich der besten Daten des ungefähren Fehlers und der schlechtesten Daten.
Beim Anklicken von "Best Data Display" wird die Darstellung der besten Daten angezeigt.
Beim Anklicken von "Worst Data Display" wird die Darstellung der schlechtesten Daten angezeigt.
Die Koordinaten der betreffenden Daten werden angezeigt.
Außerdem werden ungefähre Fehlerwerte der betreffenden Daten angezeigt.

④ Graphische Darstellung
Die Daten werden hier als Kurve dargestellt.
Die X-Achse zeigt die Einstellwerte. Die Y-Achse zeigt die Leuchtdichte. (Beim mittleren Einstellwert (128) wird als Leuchtdichte 1 angenommen.)
Der rote Punkt entspricht beim mittleren Einstellwert “128” der Leuchtdichte (1).

⑤ Anzeigebereich
Hier können ein Anfangs- und ein Endpunkt für den Abschnitt der Y-Achse spezifiziert werden. (Die graphische Darstellung ändert sich entsprechend.)

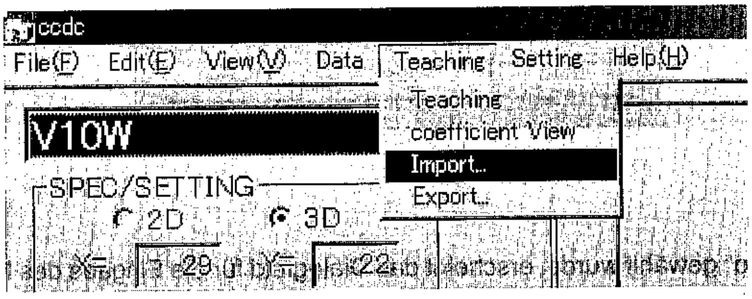
⑥ Beenden-Schaltfläche
Diese Schaltfläche anklicken, wenn die Dateneinstellanzeige vom Bildschirm gelöscht werden soll.

4-7. Importieren von Teaching-Daten

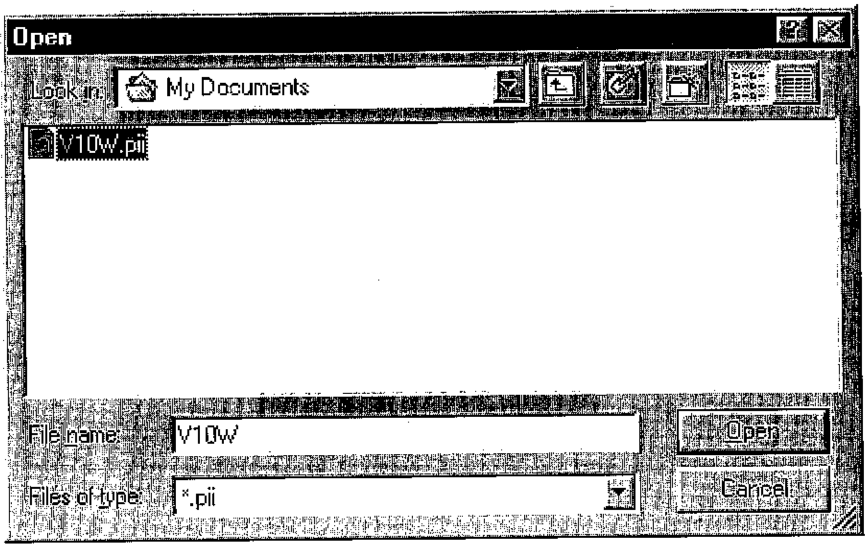
Teaching-Daten, die als Datei gespeichert sind, können importiert werden.
Beim Hinzufügen eines neuen Modells werden dessen Teaching-Daten in Form einer Datei geliefert. Diese Daten werden folgendermaßen importiert.

■ Importiervorgang

① [Teaching]-[Import] aus dem Menü des Hauptbildschirms auswählen.

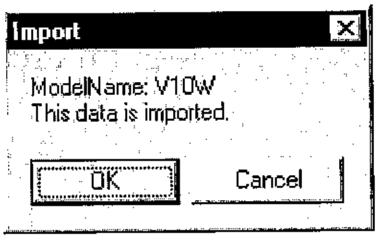

ccdc
File(F) Edit(E) View(V) Data Teaching Setting Help(H)
Teaching coefficient View
Import...
Export...
V10W
SPEC/SETTING
2D
3D

② Das Datei-Dialogfenster wird angezeigt.
Die Datei mit den zu importierenden Daten wählen.


Open
Look in:
My Documents
V10W.pii
Open
Cancel

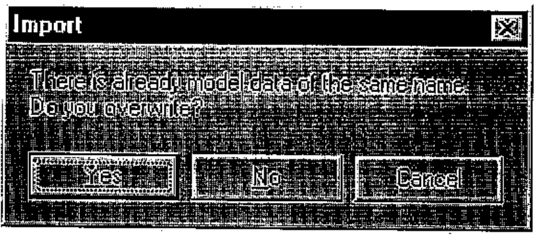
File name: V10W
Files of type: *.pii

③ Sicherstellen, daß der Name des Modells angezeigt wird, dessen Daten importiert werden sollen.


Import
OK
Cancel

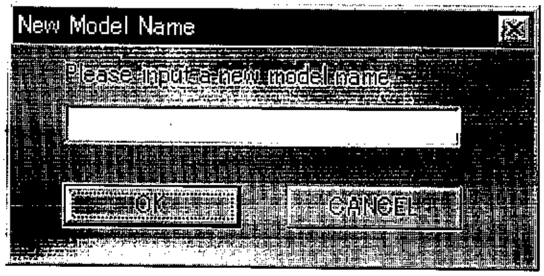
ModelName: V10W
This data is imported.

④ Wenn für diesen Modellnamen bereits Daten vorhanden sind, erscheint die folgende Meldung.
Zum Ersetzen der alten Daten durch die neuen "Yes" wählen.
Zum Ändern des Modellnamens "No" wählen.


Import

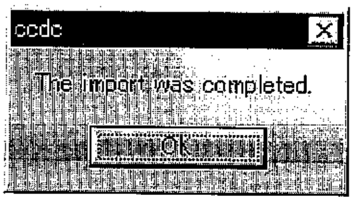
There is already model data of the same name. Do you overwrite?

⑤ Wenn in Schritt ④ "No" gewählt wurde, erscheint das Dialogfeld für die Eingabe des Modellnamens. Geben Sie einen anderen Modellnamen ein.


New Model Name

Please input a new model name.

⑥ Wenn die folgende Meldung erscheint, wurden die Daten erfolgreich importiert.

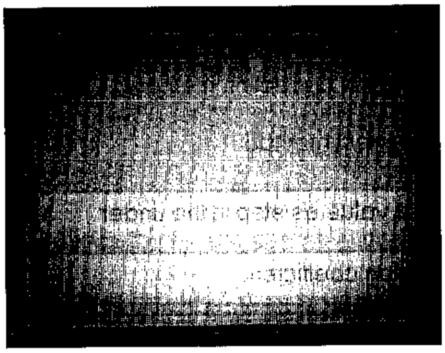

ccdc

The import was completed.

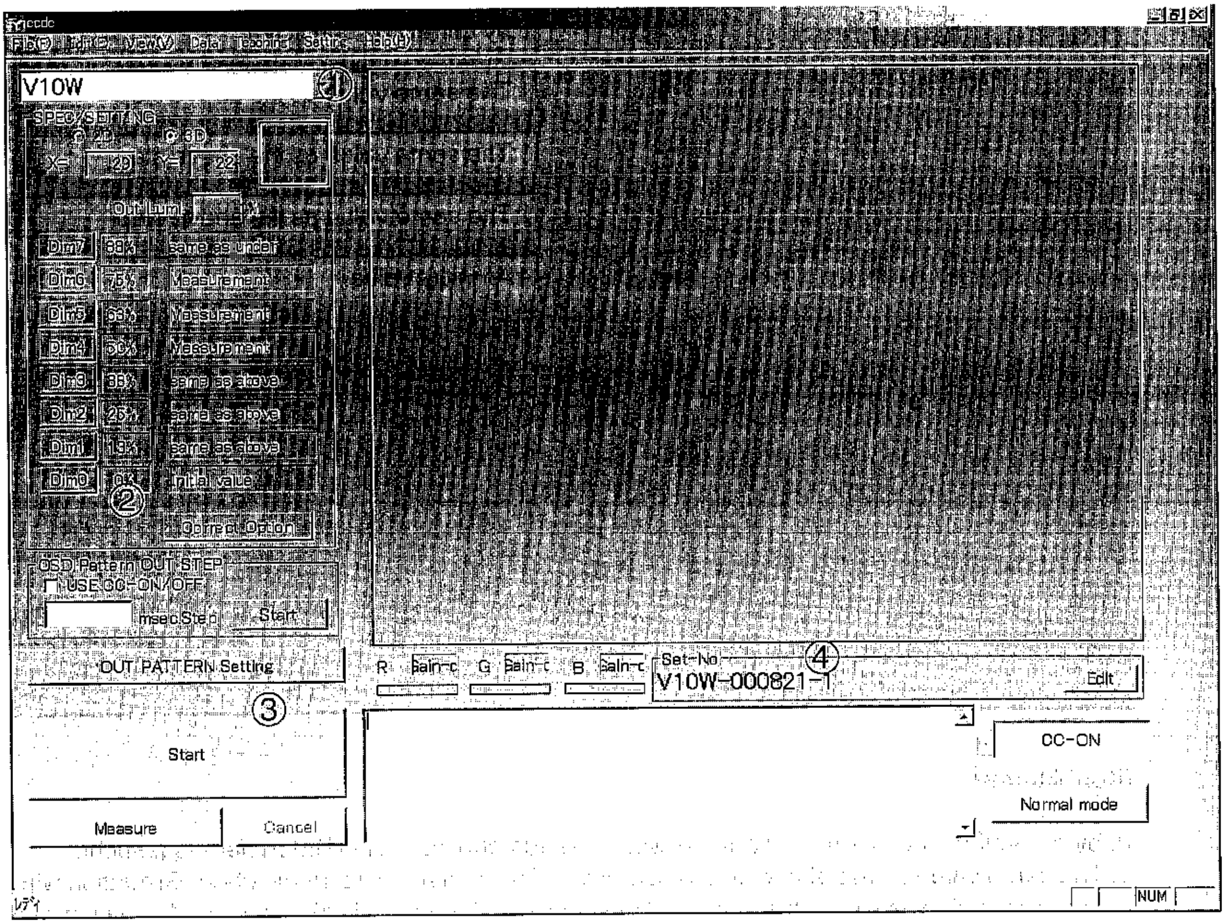
4-8. Farbunregelmäßigkeitskorrektur-Prozeß

Der Prozeß wird in einzelnen Schritten erläutert, die in der angegebenen Reihenfolge eingehalten werden müssen.

[Vorbereitungen vor Beginn des Korrekturprozesses.]
Die Position so ausrichten, daß das Bild zu mindestens 70% im Bildanzeigerahmen des Hauptbildschirms zu sehen ist. (Untere Abbildung, empfohlene Größe)



Wenn ein Projektionsbild zu nahe am Kamerarahmen ist, tritt ein Erkennungsfehler auf.



ccdc
File(F) Edit(E) View(V) Data Teaching Setting Help(H)
①
SPEC/SETTING
○ 2D
● 3D
Out Lum
②
Correct Option
OSD Pattern OUT STEP
☐ USE CC-ON/OFF
msec Step
Start
OUT PATTERN Setting
③
Start
Measure
Cancel
R Gain-c
G Gain-c
B Gain-c
Set-No
④
Edit
CC-ON
Normal mode
NUM
レディ

V10W

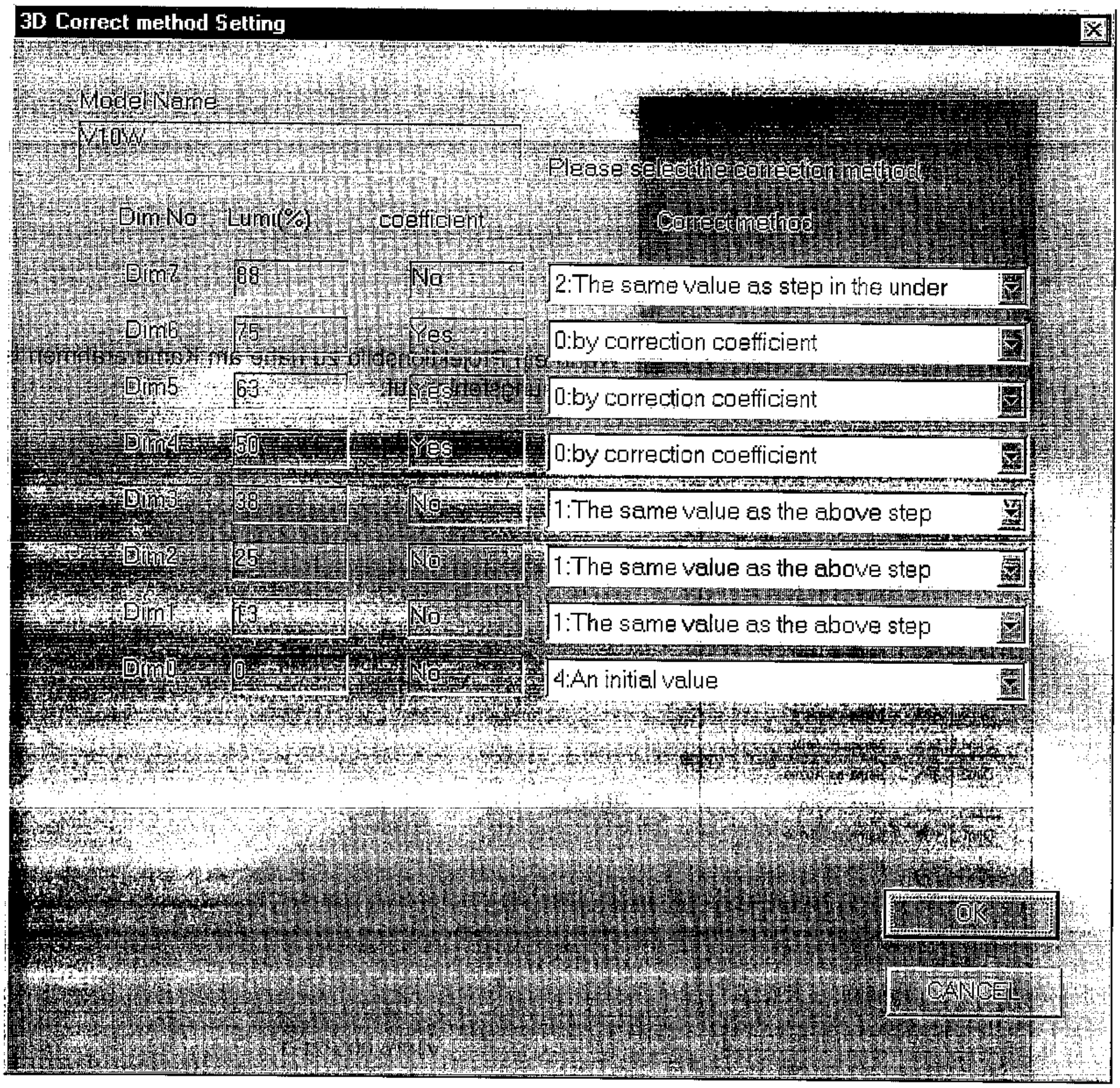
X= 29 Y= 22

Dim7	88%	same as under
Dim6	75%	Measurement
Dim5	63%	Measurement
Dim4	50%	Measurement
Dim3	38%	same as above
Dim2	25%	same as above
Dim1	13%	same as above
Dim0	0%	Initial value

Set-No V10W-000821-1

① Ein Modell wählen.
Den Modellnamen wählen, der als Standardvorgabe werkseitig vorbereitet wurde.
Wenn die Daten durch Teaching-Eingabe erstellt wurden, wird der dabei spezifizierte Modellname angezeigt.
Den korrekten Modellnamen wählen.
Die Modellregistrierung bei Teaching im Menübalken konfigurieren.

② Einstellen, wie die Korrektur erfolgen soll.
Die “Correct Option”-Schaltfläche anklicken und auswählen, nach welcher Methode der Korrekturwert von jeder Gradation ermittelt werden soll.
Diese Einstellung bleibt gespeichert.
Korrekturwerte von Gradationen, die nicht tatsächlich gemessen werden, werden durch die hier spezifizierte Methode ermittelt.



3D Correct method Setting

Model Name: V10W

Please select the correction method

Dim No	Lumi(%)	coefficient	Correct method
Dim7	88	No	2:The same value as step in the under
Dim6	75	Yes	0:by correction coefficient
Dim5	63	Yes	0:by correction coefficient
Dim4	50	Yes	0:by correction coefficient
Dim3	38	No	1:The same value as the above step
Dim2	25	No	1:The same value as the above step
Dim1	13	No	1:The same value as the above step
Dim0	0	No	4:An initial value

Für alle Gradationen konfigurieren.
[Korrekturmethoden] 4 Arten

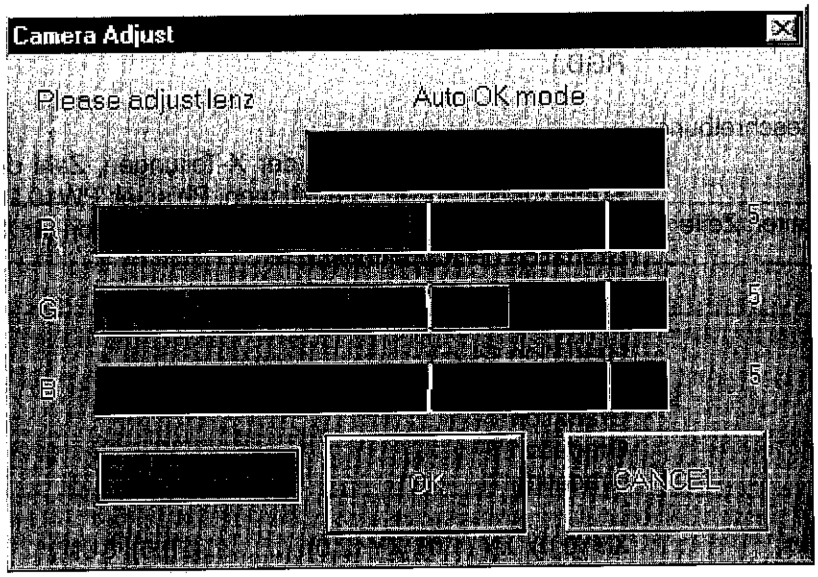
0: by correction coefficient ← Korrekturwert wird aus den Teaching-Daten herausgesucht.
1: The same value as the above step ← Derselbe Korrekturwert wie für die obere Gradation wird verwendet.
2: The same value as step in the under ← Derselbe Korrekturwert wie für die untere Gradation wird verwendet.
3: Interpolation durch oberen und unteren Wert ← Eine lineare Ergänzung, die auf dem Korrekturwert der oberen und unteren Seite basiert.
4: An initial value ← Ein Anfangswert wird verwendet.

Den PG-C30XU/WE / XG-P10XU/XE / XV-V10WU/WE gemäß der oben abgebildeten Bildschirmanzeige einstellen.
Diese Einstellung wird für den XV-DW100U nicht ausgeführt.

③ Auf die "START"-Schaltfläche klicken.
Der Korrekturvorgang beginnt.
Es wird ein in Weiß verlaufendes Muster mit dem Leuchtdichtewert der gemessenen Gradation angezeigt.
Das Kameraeinstellung-Dialogfenster erscheint.

Die Blende so einstellen, daß der RGB-Balken zwischen den gelben Linien liegt.
Wenn "PushAWB" angezeigt wird, die AWB-Taste (Weißabgleichautomatik) der Kamera drücken.
Sobald RGB im automatischen OK-Modus mehr als zwei Sekunden lang im OK-Bereich liegt, wird zum nächsten Schritt übergegangen.

R, G, B werden geändert, und die Messung mit der Kamera beginnt, wenn die OK-Schaltfläche im Kameraeinstellung-Dialogfenster angeklickt wird.



Die Gradationsmessung erfolgt gemäß der Einstellung "Korrektur durch tatsächliche Messung" in der Gradationskonfiguration von ②.

Wenn die Messung der spezifizierten Gradationen beendet ist, werden die Korrekturwerte aller Gradationen (8 Gradationen) ermittelt.
Die Korrekturwerte werden an den Projektor übermittelt.

Die Farbunregelmäßigkeitskorrektur ist damit beendet.

4-9. Format der Korrekturwertedatei

Die Korrekturwertedatei wird in dem durch Menükonfiguration spezifizierten Ordner abgelegt.
Als Dateiname wird die auf dem Hauptbildschirm spezifizierte Zeichenfolge ④ eingesetzt.
Das Format ist CSV.

Beispiel : PW10-000710-1.CSV
PW10 = Modellname
000710 = Datum (JJMMTT)
1 = Nummer (nimmt bei jeder Einstellung um "1" zu)

◆ Aufbau (Trennung durch Komma)
Erste Zeile = Modelldaten.
Nach der zweiten Zeile = Korrekturwert.
[Gradation A/B] = Gemessener Leuchtdichtewert (A entspricht der Gradationszahl. B entspricht RGB.).

◆ Detaillierte Beschreibung
Erste Zeile = Modellname, Datum, Zahl der X-Teilungen, Zahl der Y-Teilungen, Anzahl Korrekturbits, Anzahl Gradationen. Beispiel: PW10,2000/7/10,29,22,8,8
Nach der zweiten Zeile = Korrekturwerte. (Gemäß Teaching-Spezifikation für X/Y-Teilung)
Gradation 0R Korrekturwert ~
Gradation 0G Korrekturwert ~
Gradation 0B Korrekturwert ~
Gradation 1~
....
Gradation 7~
Gradation 7~
Gradation 7~

◆ Von oben links,
XY (0,0), XY (1,0), XY (2,0)..............(28,0), SUM.
XY (0,1) ,XY (1,1) ,XY (2,1)..............(28,1) ,SUM
....
XY (0,21) ,XY (1,21) ,XY (2,21)..............(28,21) ,SUM.

SUM ist die Summe der Korrekturwerte einer Zeile (ohne besondere Bedeutung).

◆ Zur Korrektur von Farbunregelmäßigkeiten können die Korrekturwerte dieser Datei wirkungsvoll als Farbunregelmäßigkeits-Korrekturwerte für Projektoren eingesetzt werden.

4-10. Verschiedene Einstellungen

Hier werden verschiedene Einstellungen beschrieben.
Die folgenden Einstellungen müssen gemacht werden.

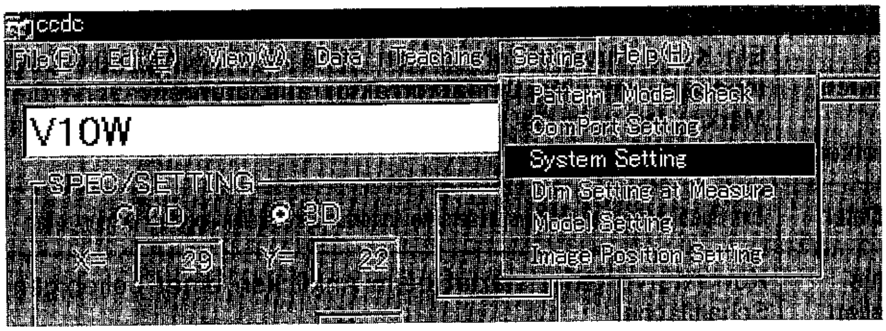
A: Systemeinstellungen
Zur Konfiguration des Systems. Diese Einstellungen wird für alle Modelle gemeinsam gemacht.

B: Modellspezifische Einstellungen (Modelleinstellungen)
Einstellungen für das auf dem Hauptbildschirm gewählte Modell.
Sind nach Auswählen des Modells auf dem Hauptbildschirm für jedes Modell individuell durchzuführen.

C: Kommunikationseinstellungen (COM-Einstellungen)
Müssen zur ordnungsgemäßen Kommunikation zwischen den über RS232C verbundenen Geräten (Projektor und Personal-Computer) durchgeführt werden.
Diese Einstellungen wird für alle Modelle gemeinsam gemacht.

A: Systemeinstellungen (allgemein)

[Setting]-[SystemSetting] aus dem Menü des Hauptbildschirms wählen.


ccdc
File(F)
Edit(E)
View(V)
Data
Teaching
Setting
Help(H)
Pattern_Model Check
ComPort Setting
System Setting
Dim Setting at Measure
Model Setting
Image Position Setting

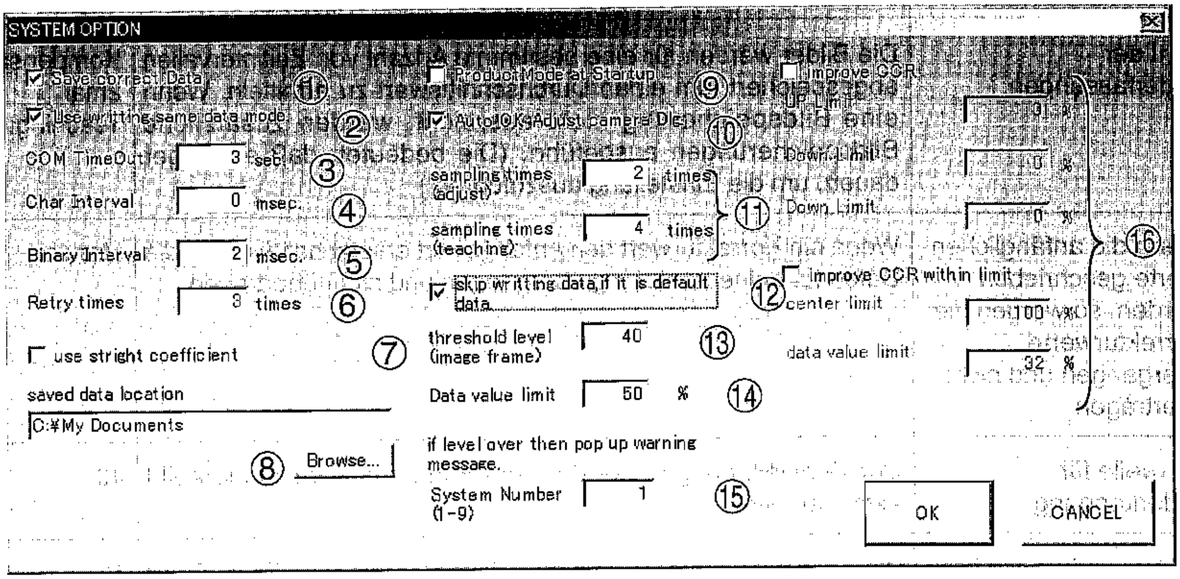
V10W

SPEC/SETTING

○ 2D ● 3D

X= 29 Y= 22

■ System-Einstellbildschirm


SYSTEM OPTION
Browse...
OK
CANCEL

☑ Save correct Data ①
☑ Use writting same data mode ②
COM TimeOut 3 sec ③
Char Interval 0 msec ④
Binary Interval 2 msec ⑤
Retry times 3 times ⑥
☐ use stright coefficient ⑦
saved data location
C:¥My Documents ⑧
☐ Product Mode at Startup ⑨
☑ Auto OK Adjust camera Dis ⑩
sampling times (adjust) 2 times
sampling times (teaching) 4 times ⑪
☑ skip writting data,if it is default data ⑫
threshold level (image frame) 40 ⑬
Data value limit 50 % ⑭
if level over then pop up warning message.
System Number (1-9) 1 ⑮
☐ Improve CCR
Up Limit 0 %
Down Limit 0 %
Down Limit 0 %
☐ improve CCR within limit
center limit 100 %
data value limit 32 % ⑯

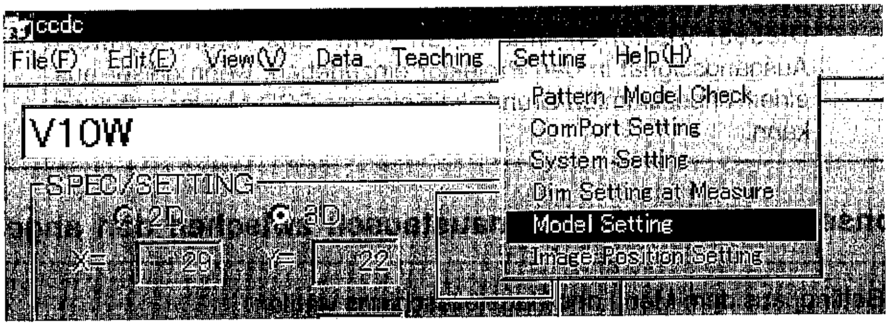
Nr.	Gegenstand	Beschreibung	Standardeinstellung
1	Korrekturdaten speichern	Zum Speichern einer Korrekturwertedatei in dem bei ⑧ spezifizierten Ordner.	Markiert
2	3D-Korrekturwert gleichzeitig schreiben	Ein gleichzeitiger Schreibbefehl wird übermittelt, und Daten mehrerer Gradationen werden bei 3D-Korrektur gleichzeitig geschrieben, wenn für die Gradation Schreiben desselben Korrekturwerts spezifiziert ist.	Markiert
3	COM-Zeitüberschreitung	Die maximale Wartezeit bis zum Erhalt einer Kommunikationsantwort.	3(s)
4	Zeichenintervall	Ein Kommunikationsbefehl wird an das Gerät übermittelt (während den Warteperioden, die im ASCII-Zeichensatz programmiert sind).	0(ms)
5	Binärintervall	Nachdem ein Datensatz im Binärmodus an das Gerät übermittelt wurde, wird der nächste zu sendende Datensatz im Bereitschafts-Modus für eine vorprogrammierte Zeit zurückgehalten.	2(ms)
6	Wiederholversuche	Anzahl der Wiederholversuche bei Kommunikationsfehlern.	3 (mal)
7	Vorbereitung des Korrekturwerts durch den linearen Korrekturkoeffizienten	Ein Korrekturverfahren wählen. Eine Markierung (Häkchen) machen, um eine Linearkorrektur auszuführen. Ohne die Markierung wird die Kurve des Sekundär-Korrekurverfahrens angewählt.	Nicht markiert
8	Speicherplatz für Daten	Zum Spezifizieren des Ordners, in dem die Korrekturwertedateien abgelegt werden sollen.	Keine
9	Produktionsmodus beim Start einstellen	Korrekturvorgang startet beim Anklicken einer beliebigen Schaltfläche.	Nicht markiert
10	Automatische Beurteilung der Kameraeinstellung	Wenn die R-, G- und B-Pegel am Kamera-Einstelldialog-Bildschirm für mehr als 2 Sekunden im spezifizierten Bereich gehalten werden, werden diese Pegel automatisch akzeptiert.	Markiert
11	Zahl der Bilderfassungen	Die Bilder werden für eine bestimmte Anzahl von Zeitintervallen abgespeichert, um einen Durchschnittswert zu ermitteln. Wenn eine Bildspeicherung nicht ausreicht, werden zusätzliche Bildspeicherungen ausgeführt. (Die bedeutet, daß es länger dauert, um die Einstellung auszuführen.)	Kompensation: 2mal Teaching: 4mal
12	Wenn die anfänglichen Werte geschrieben werden, so werden die Korrekturwerte übergangen und nicht übertragen.	Wenn ein Korrekturwert den Anfangswert ersetzt hat, werden die Daten für seine Abstufung übergangen und nicht übertragen.	Markiert
13	Schwelle für Bilderkennung	Der Schwellenpegel, bei dem ein Bildrahmen im Kamerabild extrahiert wird.	40
14	Extremwertgrenze für Korrekturwert	Warnung, wenn ein Extremwert (MIN oder MAX) den Einstellwert überschreitet.	50
15	Geräte-Kennummer	Individuelle Nummer, die das Gerät identifiziert. Wenn mit diesem System zwei oder mehrere Geräte benutzt werden, muß jedes einzelne unabhängig von einander kalibriert werden.	
16	CCR-Verbesserung	Wird nicht verwendet.	Nicht markiert

Nr.	Gegenstand	Beschreibung	Standardeinstellung
16	CCR-Verbesserung	Wird nicht verwendet.	Nicht markiert

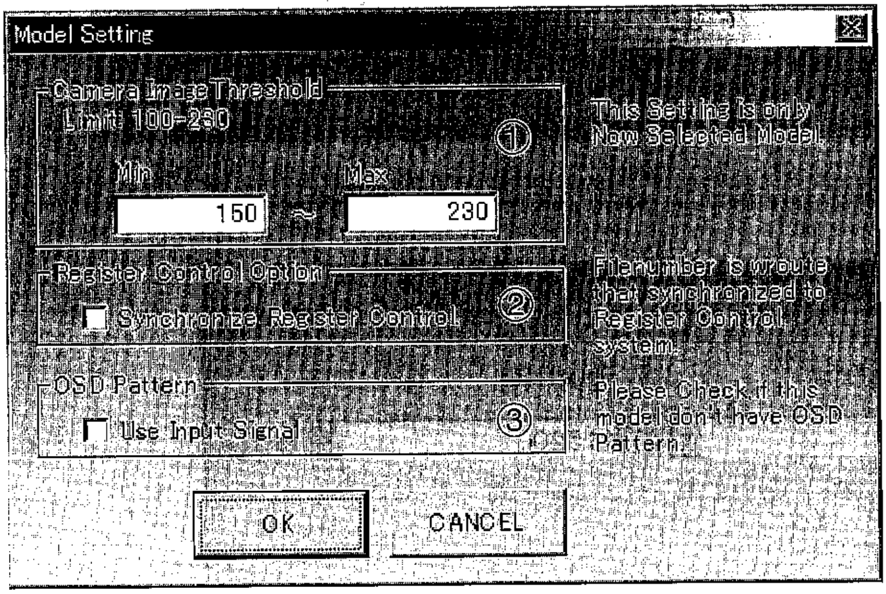
Normalerweise die Vorgabeeinstellung beibehalten.

B: Modellspezifische Einstellungen (Modellregistrierung)

[Setting]-[ModelSetting] aus dem Menü des Hauptbildschirms wählen.


ccdc
File(F) Edit(E) View(V) Data Teaching Setting Help(H)
Pattern Model Check
ComPort Setting
System Setting
Dim Setting at Measure
Model Setting
Image Position Setting
V10W
SPEC/SETTING
2D
3D
X= 29
Y= 22

Bei Verwendung der werkseitigen Standardeinstellungen darf nur die Einstellung von "1. Schwelle des aktuellen Modells" geändert werden.


Model Setting
Camera Image Threshold
Limit: 100-230
①
Register Control Option
②
OSD Pattern
③
OK
CANCEL

Min 150 ~ Max 230

This Setting is only Now Selected Model.

☐ Synchronize Register Control

Filenumber is wroute that synchronized to Register Control system.

☐ Use Input Signal

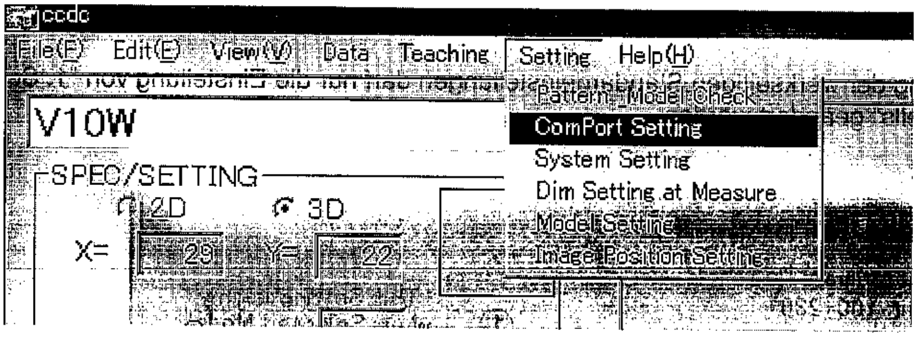
Please Check if this model don't have OSD Pattern.

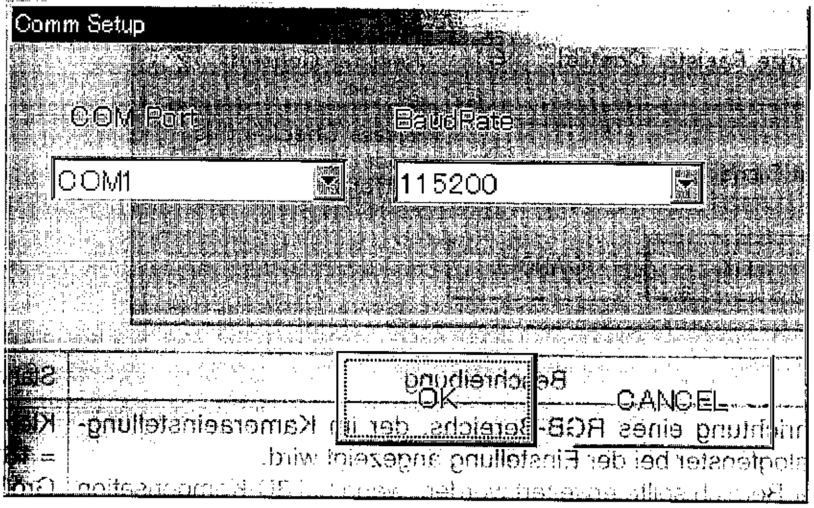
Nr.	Gegenstand	Beschreibung	Standardeinstellung
1	Schwelle des aktuellen Modells	Einrichtung eines RGB-Bereichs, der im Kameraeinstellung-Dialogfenster bei der Einstellung angezeigt wird. Der Bereich sollte erweitert werden, wenn bei 3D-Kompensation große RGB-Unterschiede zwischen Gradationen auftreten.	Kleinster Wert = 150 Größter Wert =230.
2	Registrierkontrolloption	Diese Funktion zur Einrichtung einer Registrierkontrollsystemverbindung zum Gerät verwenden (separate Ausrüstung erforderlich). (Diese Funktion nicht für Kundendienstarbeiten einsetzen. Die Daten der Modellnamen werden hierdurch verfälscht.)	Nicht markiert.

Nr.	Gegenstand	Beschreibung	Standardeinstellung
3	OSD-Muster	Dieses Kästchen nur markieren, wenn ein Modell eingestellt wird, das kein internes OSD-Muster bietet. Das Kästchen kann auch markiert werden, wenn das interne OSD-Muster nicht verwendet und stattdessen ein externes eingegeben werden soll. Wenn das Kästchen markiert ist, wird kein OSD-Steuerbefehl übermittelt. Bei nicht markiertem Kästchen wird ein OSD-Steuerbefehl übermittelt. Die Einstellung wird bei einem 3D-Einstellpunkt aktiv. Bei einem 2D-Einstellpunkt bleibt die Einstellung inaktiv. Dieses Kästchen markieren, um das Multi-Monitor-Ausgangssignal in den Projektor einzugeben, wenn dieser aus einem unbestimmten Grunde kein eigenes OSD-Muster aufbauen kann.	Nicht markiert.

C: Kommunikationseinstellung (für Datenaustausch zwischen den angeschlossenen Geräten)

[Setting]-[ComPortSetting] aus dem Menü des Hauptbildschirms wählen.


ccdc
File(F)
Edit(E)
View(V)
Data
Teaching
Setting
Help(H)
Pattern Model Check
ComPort Setting
System Setting
Dim Setting at Measure
Model Setting
Image Position Setting
V10W
SPEC/SETTING
2D
3D
X= 29
Y= 22


Comm Setup
OK
CANCEL

COM Port: COM1
BaudRate: 115200

Den COM-Anschluß, über den die Kommunikation erfolgen soll, und die geeignete Kommunikationsgeschwindigkeit wählen.
Die Kommunikationsgeschwindigkeit wird automatisch zu dem hier spezifizierten Wert geändert.
Nach Beendigung der Korrektur die Kommunikationsgeschwindigkeit wieder auf 9600 bps zurückstellen.
Wenn Kommunikationsfehler auftreten, eine kleinere Baudrate einstellen.

4-11. Andere Vorsichtsmaßnahmen

- Trapezverzerrung beseitigen.
- Beim XG-V10XU/XE die Kommunikationsgeschwindigkeit im Anwendermenü wieder auf 9600 bps zurückstellen.
- Wenn ein Teil der Maske bei einem internen Muster verläuft, schlägt die Farbunregelmäßigkeitskorrektur für diesen Teil der Maske unter Umständen fehl. In diesem Fall versuchen, ein Hintergrundbild, das den gesamten Schirm ausfüllt, ohne Signal anzuzeigen. (Beispiel: Signal von INPUT1 abklemmen und das Schirmbild mit Resize ganz ausfüllen.)

4-12. Anmerkung zum Upgrade

- Enthält Teaching-Aktualisierungsdaten für neue Modelle.
  Die Aktualisierung kann auch auf andere Weise erfolgen.

5. MANUELLES FARBUNGLEICHMÄSSIGKEITS-KORREKTUR-SYSTEM

5-1. Beschreibung

Diese Software dient zum Lesen, Schreiben und Verändern der Farbkorrekturdaten des Projektors. Der Projektor besitzt eine Farbkorrekturfunktion und eine Funktion zur Verbesserung von Farbungleichheiten.
Modell (Version 1) :XV-DW100U, XG-P10XU/XE, PG-C30XU/XE, XG-V10WU/WE
Farbunregelmäßigkeiten können auch dann auftreten, wenn die LCD-Platte oder die Lampe ausgewechselt und die optische Achse eingestellt wurde. In diesem Fall ist es erforderlich, die Daten abzurufen, zu korrigieren und danach wieder zu laden. Vor und nach dem Auswechseln der PC-Platine sind die Daten wie erforderlich abzurufen und zu schreiben.

5-2. Farbkorrekturdaten

Es gibt zwei Arten von Farbkorrekturdaten.
Eine ist für das Modell XV-DW100U, das andere für die Modelle XG-P10XU/XE, PG-C30XU/XE und XG-V10WU/WE. bestimmt.

Von nun an werden die Farbungleichmäßigkeits-Korrekturdaten als "die Daten" bezeichnet.

XV-DW100U

Das XV-DW100U ist für zweidimensionale Farbkorrektur bestimmt. Es besitzt eine Farbstufe und die Daten für die Farben Rot, Grün und Blau.

XG-P10XU/XE, PG-C30XU/XE, XG-V10WU/WE

Diese Modelle sind für die dreidimensionale Farbkorrektur bestimmt. Diese besitzen 3 Farbabstufungen von 1 bis 3 und die Daten für die Farben Rot, Grün und Blau für jede einzelne Farbabstufung.

5-3.Systemvoraussetzungen

Betriebssystem	: Windows95, Windows98, WindowsNT4.0
Festplattenkapazität	: Überber 5 MB
Speicher	: Empfehlung: Mehr als 32 MB
Bildschirmgröße	: Empfehlung: XGA
Anzahl der Farben	: Über 16 Bit

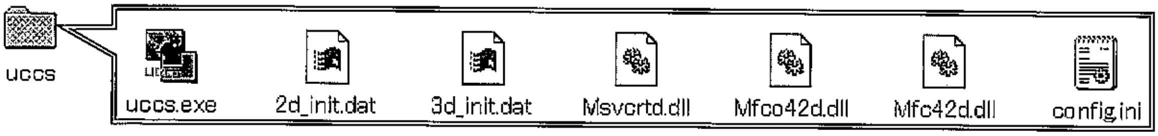
5-4.Installieren und Deinstallieren

Herunterladen

Diese Software kann von der Homepage von SHARP Intranet heruntergeladen werden.
URL: http://172.24.145.13/tcg-qrc/prj/default_e.htm
NAME: Projector Referrals (im Service von QUICS)
Setup-Dateiname: install.exe

- Installieren

Wenn die Setup-Datei „install.exe“ benutzt wird, startet der WinZip-Selbstextraktor und frägt für den Namen des Verzeichnisses, in welches die extrahierte Datei abgelegt werden soll. Den Namen des Verzeichnisses eintippen und die UnZip-Taste drücken. Im vorgegebenen Verzeichnis wird nun ein Ordner abgelegt und die folgenden Dateien in diesem Ordner installiert.



- Deinstallieren

Das Verzeichnis und das Programm löschen. Das "Register" wird dabei nicht betroffen.

5-5. Starten der Software

1. Sicherstellen, daß der Projektor und der PC mit einem RS232C-Kabel verbunden sind.
2. Den "RS232C IN"-Anschluß des Projektors mit der "COM1"-Buchse des PCs mit dem Serienkabel verbinden, wenn kein Anschluß besteht.
3. Das RGB-Kabel zwischen den Display-Ausgangsbuchsen des PCs und der INPUT1-Buchse des Projektors anschließen.
4. Danach den Projektor einschalten.
5. Die Farbkorrektur-Software (Manuellbetrieb) wird durch Doppelklicken der Datei “uccs.exe” gestartet.
6. Das Steuerungsfenster (Abbildung 1) wird auf dem PC-Bildschirm angezeigt.

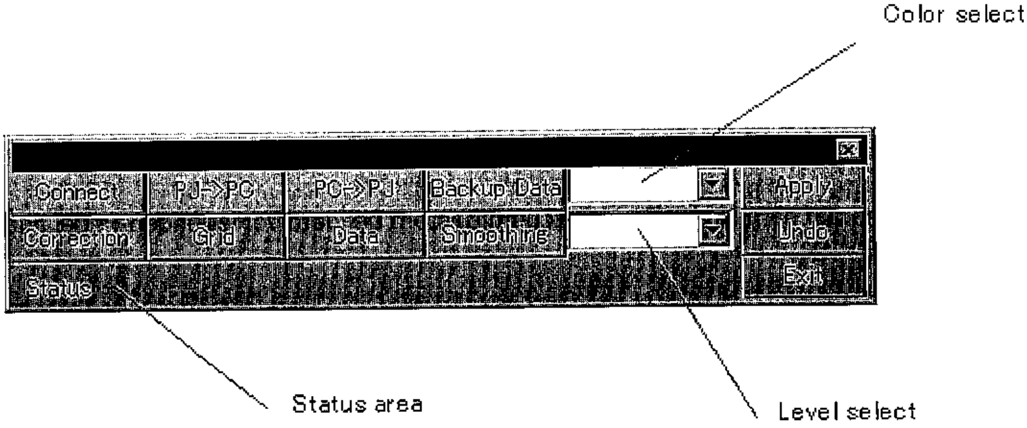


Abbildung 1. Steuerungsfenster

5-6. Erklärung des Steuerungsfensters

Wenn die Software geladen ist, wird ein Steuerungsfenster angezeigt.

- Anschluß-Taste
  Wenn diese Taste gedrückt wird, führt der PC folgende Funktionen aus: Bestätigung des Anschlusses von Projektor und PC. Bestätigung des am PC angeschlossenen Projektormodells. Eingangswechsel des Projektors auf “RGB1”. Gamma-Parametereinstellung am Projektor. Automatische Synchroneinstellung des Projektors. Durch Drücken dieser Taste wird angezeigt, ob der Projektor an der PC angeschlossen ist.
  Nach dem Laden der Software muß diese Taste einmal gedrückt werden.

- Korrektur-Taste
  Bei jeder Betätigung dieser Taste verändert sich die Farbkorrekturfunktion (ON/OFF). Diese Taste muß gedrückt werden, wenn die Farbkorrekturfunktion aktiviert (ON) ist. Normalerweise ist diese Funktion aktiviert.
  Diese Funktion benutzen, um zu beurteilen, ob die Korrektur den Tatsachen entspricht.

- Taste PJ->PC
  Für den Start der Korrektur in Bezug auf die Projektordaten.
  Der PC ruft die Projektordaten ab und schreibt sie in den Speicher.
  Wenn der Datenabruf abgeschlossen ist, frägt der PC, ob die Daten dauerhaft gesichert werden sollen.
  Bei diesen Daten handelt es sich um Projektordaten. Sicherstellen, daß diese Daten fest abgespeichert werden.

- Taste PC->PJ
  Für den Start der Korrektur in Bezug auf die zuvor abgespeicherten Farbungleichmäßigkeits-Korrekturdaten
  Wenn diese Taste gedrückt wird, werden die als Datei gespeicherten Daten in den Speicher des PCs geschrieben.
  Danach werden diese Daten im Projektor abgespeichert.

- Sicherungskopie-Taste
  Die editierten Daten abspeichern.
  Die Taste benutzen, wenn die Farbkorrektur unterbrochen bzw. wieder fortgesetzt werden soll.
  Die Taste benutzen, wenn der vorliegende Zustand der Farbkorrektur abgespeichert werden soll.

- Gitter-Taste
  Die "ON/OFF"-Anzeige des Farbkorrekturrahmens verändern.

- Daten-Taste
  Die "ON/OFF"-Anzeige der Farbkorrekturdaten verändern.

- Farbwahl-Kombinationsbox
  Eine Farbe wählen, deren Farbkorrektur von R, G, B ausgeführt wurde.

- Farbabstufungs-Kombinationsbox
  Die Farbabstufung wählen, deren Farbkorrektur ausgeführt wurde.

- Anwendungs-Taste
  Die Daten des veränderten Blocks werden zum Projektor übertragen.

- Glättungs-Taste
  Die Glättung der Daten auf sämtlichen Farbbildschirmfenstern bei dem vorliegenden Pegel findet statt.

- Abschluß-Taste
  Das Farbkorrektur-Softwareprogramm verlassen. Sicherstellen, daß bei der Veränderung der Daten sämtliche Daten im Projektor abgespeichert werden.
  Der PC frägt ob die editierten Daten gespeichert werden sollen. In diesem Fall sind die Daten abzuspeichern.

- Statusbereich
  Zeigt den Zustand der Befehlsausführung und das Resultat an.

5-7. Farbkorrekturverfahren

Die manuelle Korrektur läßt sich in einer der 3 folgenden Arten starten.
(1)Die Farbe auf den Projektordaten basierend korrigieren.
(2)Die Farbe auf den in der Datei basierenden abgespeicherten Daten korrigieren.
(3)Die Farbe vom Anfangswert korrigieren. (Es sind keine Korrekturdaten vorhanden.)

Normalerweise mit (1) beginnen.
Mit (2) beginnen, wenn die Korrekturdaten in der Datei abgespeichert sind.
Mit (3) beginnen, wenn die Auftrittstendenz der Farbkorrektur auftreten sollte, wenn eine Platine und andere Bauteile verändert wurden.
Beginnen, falls die Datei der Anfangsdaten gelesen werden.

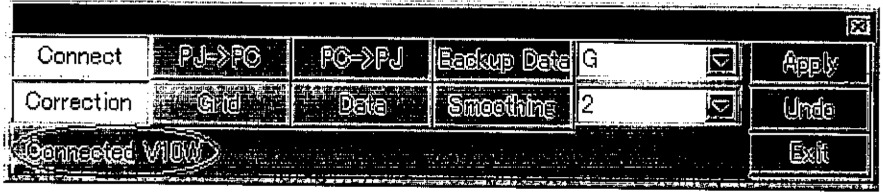
Anfangswert-Dateiname:	
2d_init.dat	XV-DW100U
3d_init.dat	XG-P10XU/XE, PG-C30XU/XE, XG-V10WU/WE

Wenn die LCD oder die Lampe ausgewechselt wird, kann eine Korrektur erforderlich werden.

<Wenn die LCD oder die Lampe ausgewechselt wird, kann eine Korrektur erforderlich werden.>

Wenn die neue Lampe eingesetzt ist, ist eine Korrektur nur dann erforderlich, wenn sich die optische Achse nicht ordnungsgemäß einstellt.

1. Die "Connect"-Taste drücken, um den PC und den Projektor anzuschließen. Nachdem "Auto sync" abgeschossen ist, wird der Modellname des Projektors angezeigt, der von der Statusfläche berührt wird. Wenn der Anschluß nicht zustande kommt, sicherstellen, daß das RS232C-Kabel fest eingesteckt ist und die Stromversorgung und der Projektor angeschlossen sind. Danach das Programm erneut starten und die Connect-Taste erneut betätigen.



Backup Data: G
Smoothing: 2
Connected V10W

Abb. 2 PC zur Einstellung am Projektor angeschlossen

2. Die "PJ—>PC"-Taste drücken, die Daten aus dem Projektor abrufen und dann im PC abspeichern.
   Das Lesen und Schreiben der Daten dauert 10-30 Minuten.
   Der Fortschreitungsstatus wird im Fortschreitungs-Laufbalken angezeigt.
   Nach dem Abruf der Daten sind ein Dateiname einzugeben und die Daten abzuspeichern.

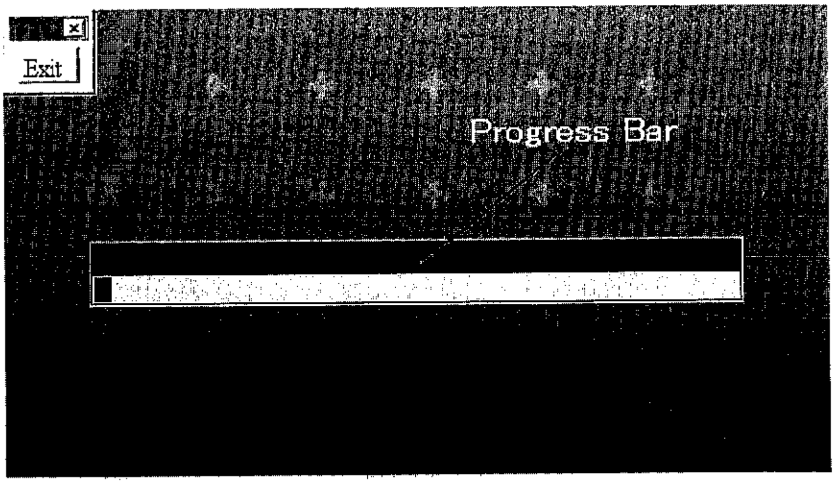

Exit
Progress Bar

Abb. 3 Bildschirm, auf dem die Daten angezeigt werden, die vom Projektor übertragen werden.

3. Zuerst die Farbabstufung und die Farbe wählen, die korrigiert werden soll. Sicherstellen, daß zuerst ein Korrekturrahmen gewählt wird.

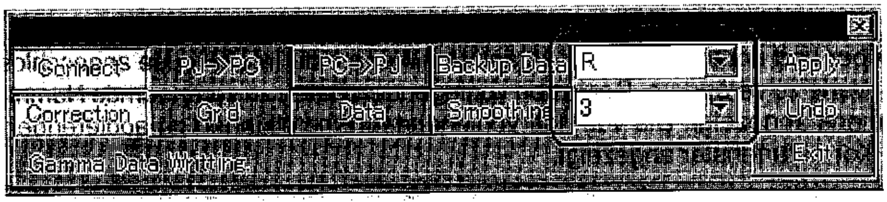

Connect
PJ->PC
PC->PJ
Backup Data
R
Apply
Correction
Grid
Data
Smoothing
3
Undo
Gamma Data Writting
Exit

Abb. 4 Wahl von Farben und Abstufungen

4. Den zu korrigierenden Bereich mit der Maus anwählen. Einen Korrekturrahmen (ein Block) durch 1 Mausklick anwählen. Mehr als einen Rahmen mit durch Ziehen mit der Maus anwählen.

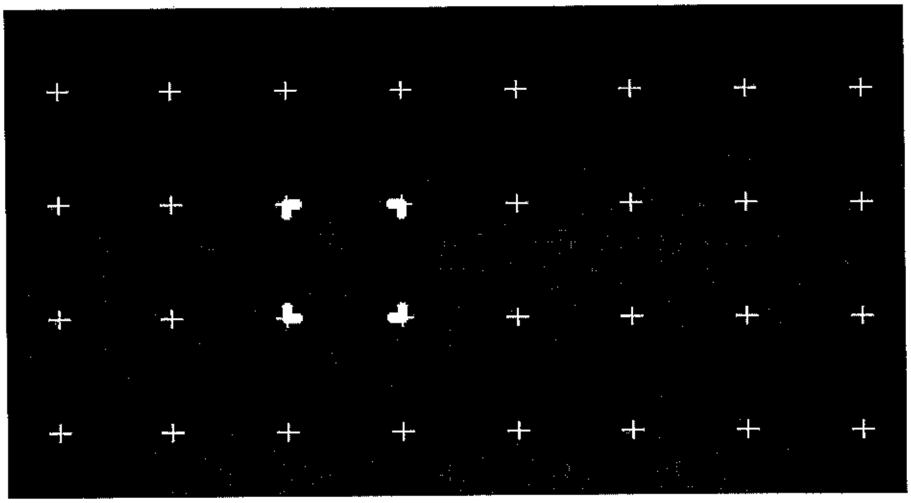


Abb. 5 Wahl eines Korrekturfensters

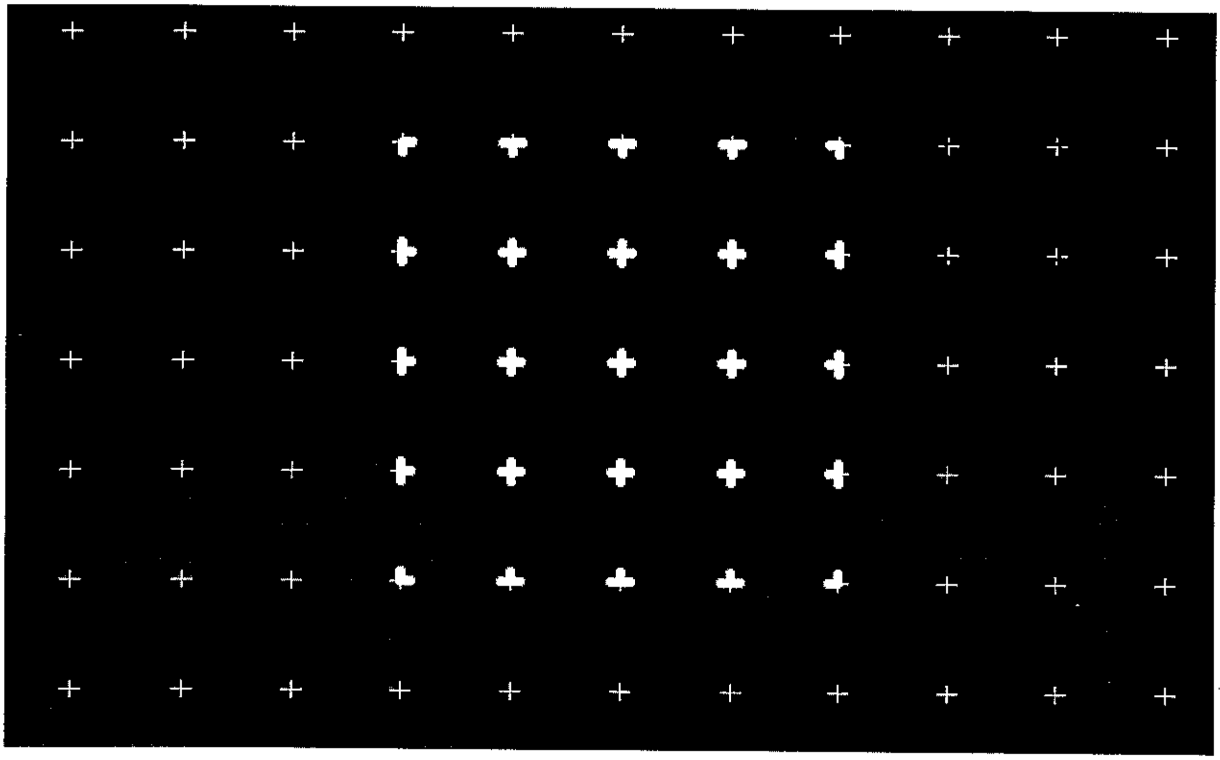


Abb. 6 Wahl mehrerer Korrekturfenster

5. Den Einstellwert über und unter den Cursor verändern. Wenn eine IntelliMouse angeschlossen ist, das Mausrad benutzen, um die Werte zu verändern. Der in den vorliegenden Daten zu verändernde Nummernwert wird innerhalb des Korrekturrahmens angezeigt. Die von den vorliegenden Einstellungen zu addierenden oder abzuziehenden Werte werden im Korrekturfenster angezeigt.

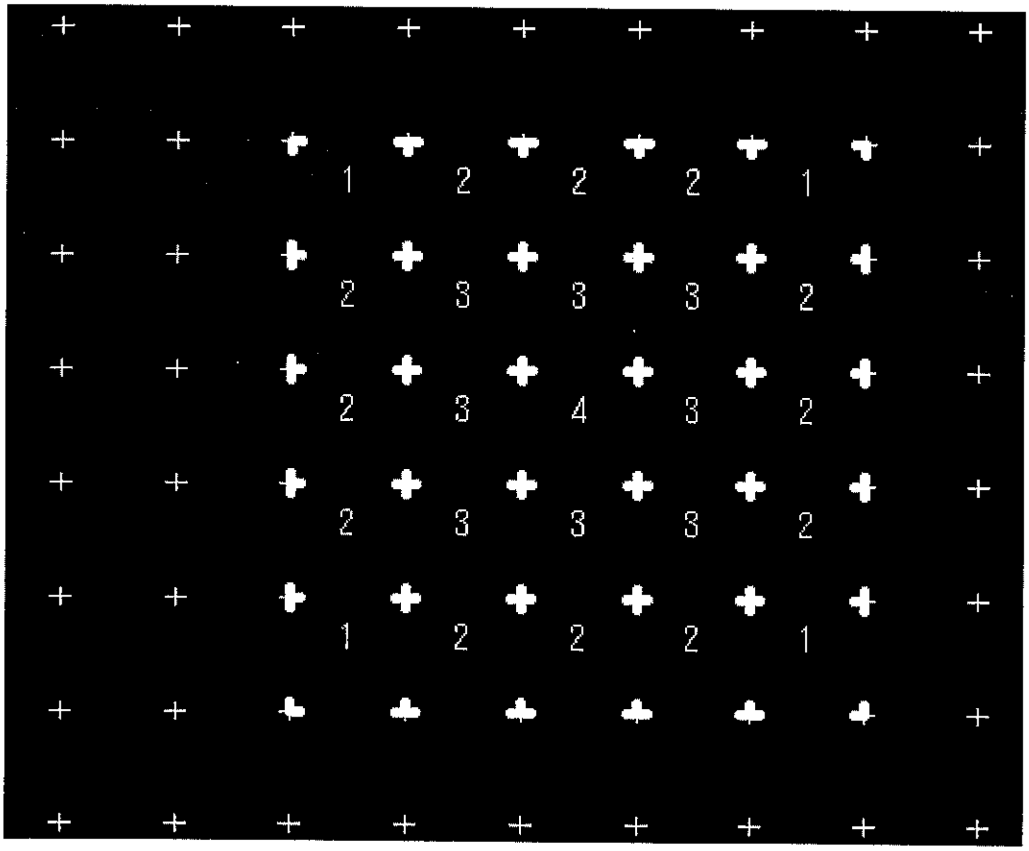
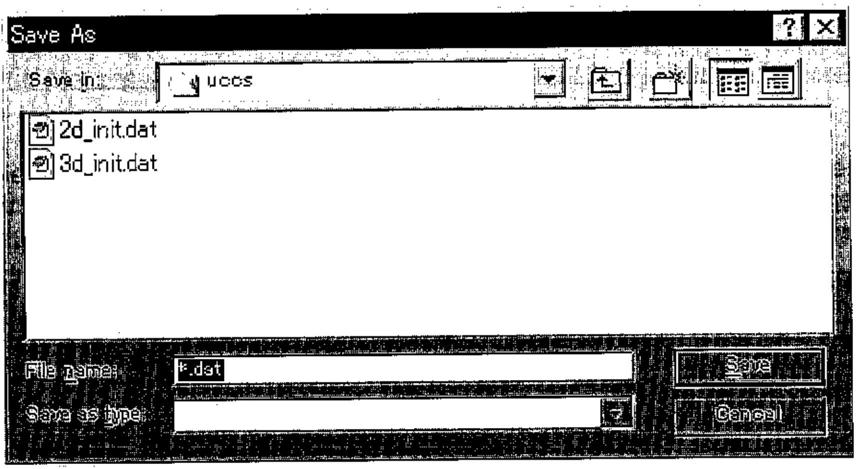


Abb. 7 Korrekturwert um 4 erhöht

6. Die "Apply"-Taste drücken und die Korrekturdaten in den Projektorspeicher schreiben, wenn der Korrekturwert bestimmt wurde.
7. Die "Undo"-Taste drücken und den Vorgang bei falscher Eingabe aufheben.
8. Den Vorgang von Punkt 3 bis 7 wiederholen.
9. Der vorliegende Zustand kann durch Drücken der "BackUP"-Taste abgespeichert werden.Speichern, wenn erforderlich.
10. Zum Abschluß die "Exit"-Taste drücken und sämtliche Daten in den Projektorspeicher schreiben. Der PC frägt, ob er die Daten gleichzeitig als Datei abspeichern soll. Wenn die Daten verändert wurden, unbedingt abspeichern.



Save in: ucos

2d_init.dat
3d_init.dat

File name: *.dat

Save as type:

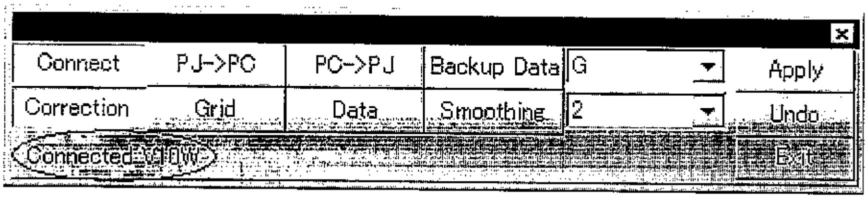
Abb. 8 Eintippen eines Dateinamens zum Abspeichern

Auswechseln einer PC-Platine

Beim Auswechseln der PC-Platine sind nur die Daten zu lesen und zu schreiben. Es besteht kein Grund, die Daten zu verarbeiten.

Vor dem Auswechseln einer PC-Platine

1. Die "Connect"-Taste drücken, um den PC und den Projektor anzuschließen. Nachdem "Auto sync" abgeschossen ist, wird der Modellname des Projektors angezeigt, der von der Statusfläche berührt wird. Wenn der Anschluß nicht zustande kommt, sicherstellen, daß das RS232C-Kabel fest eingesteckt ist und die Stromversorgung und der Projektor angeschlossen sind. Danach das Programm erneut starten und die Connect-Taste erneut betätigen.



Backup Data: G

Smoothing: 2

Abb. 9 PC zur Einstellung am Projektor angeschlossen

2. Die "PJ—>PC"-Taste drücken, die Daten aus dem Projektor abrufen und dann im PC abspeichern. Das Lesen und Schreiben der Daten dauert 10-30 Minuten. Der Fortschreitungsstatus wird im Fortschreitungs-Statusbalken angezeigt. Nach dem Abruf der Daten sind ein Dateiname einzugeben und die Daten abzuspeichern.

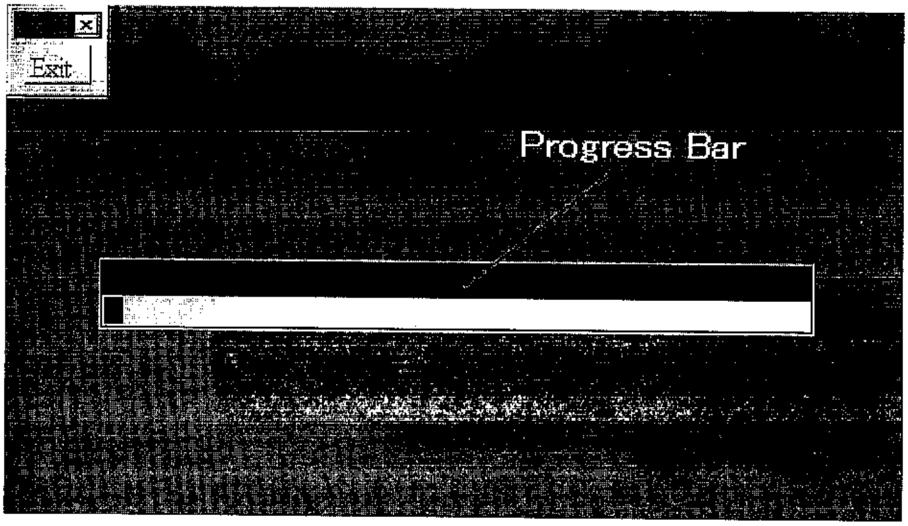
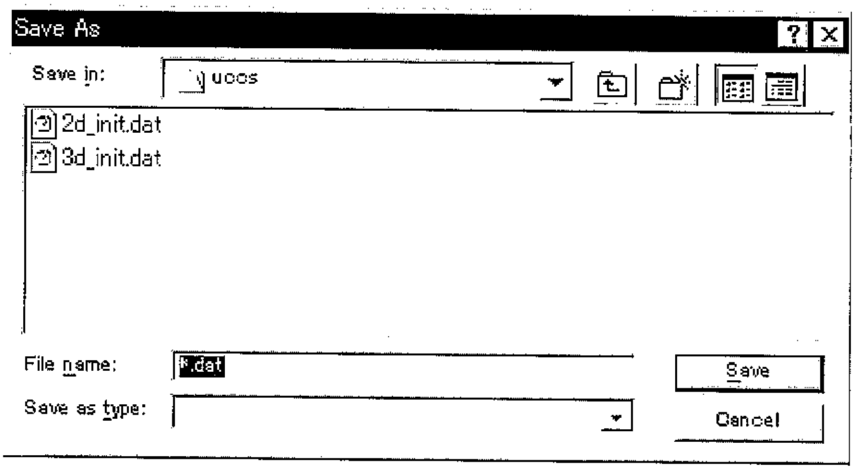


Abb. 10 Bildschirm, auf dem die Daten angezeigt werden, die vom Projektor übertragen werden.



Save in: ucos

2d_init.dat
3d_init.dat

File name: *.dat

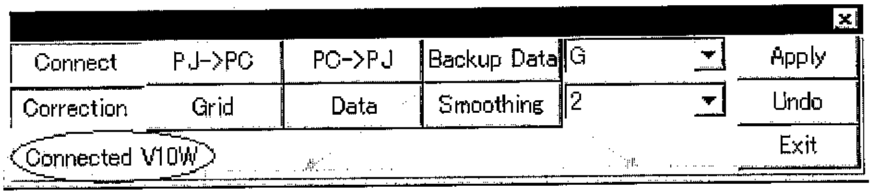
Save as type:

Abb. 11 Eintippen eines Dateinamens zum Abspeichern

3. Die "Exit"-Taste drücken. Der PC frägt, ob er die Daten gleichzeitig als Datei abspeichern soll. In diesem Fall sind die Daten abzuspeichern. Die Daten brauchen nicht in den Projektorspeicher geschrieben zu werden.

Nach dem Auswechseln einer PC-Platine

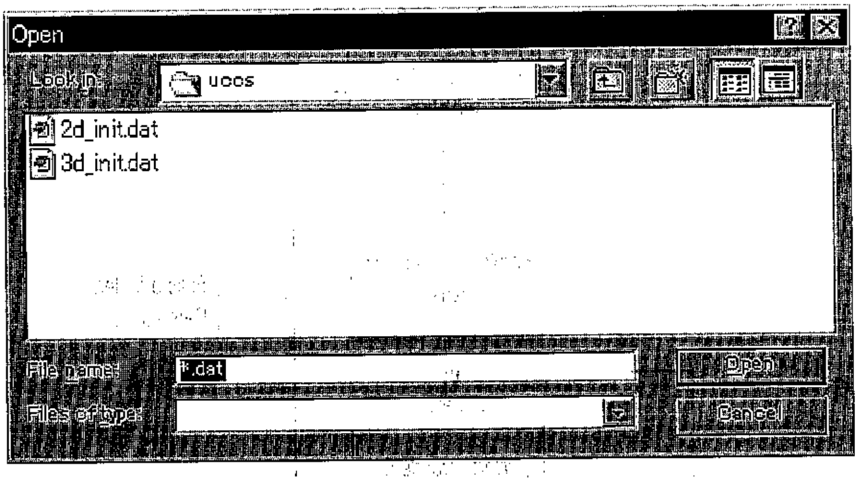
4. Die "Connect"-Taste drücken, um den PC und den Projektor anzuschließen. Nachdem "Auto sync" abgeschossen ist, wird der Modellname des Projektors angezeigt, der von der Statusfläche berührt wird.
   Wenn der Anschluß nicht zustande kommt, sicherstellen, daß das RS232C-Kabel fest eingesteckt ist und die Stromversorgung und der Projektor angeschlossen sind. Danach das Programm erneut starten und die "Connect"-Taste erneut betätigen.



Connected V10W

Abb. 12 PC zur Einstellung am Projektor angeschlossen

5. Die "PJ—>PC"-Taste drücken und die Datei spezifizieren, die vor dem Auswechseln der Steckkarte abgespeichert wurde. Danach die Daten der alten Steckkarte für die neue Steckkarte ersetzen.



Look in: ucos

2d_init.dat
3d_init.dat

File name: *.dat
Files of type:

Abb. 13 Wahl des Dateinamens zur Laden in den Projektor

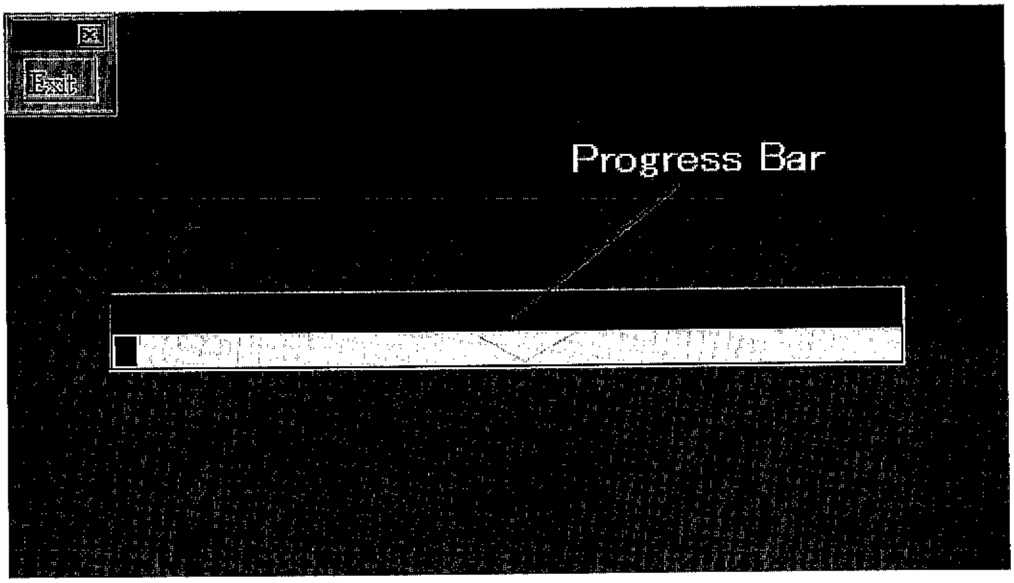


Abb. 14 Anzeige, während die Daten in den Projektor geladen werden.

6. Die "Exit"-Taste drücken. In diesem Fall brauchen die Daten nicht abgespeichert zu werden. Die Daten brauchen auch nicht in den Projektorspeicher geschrieben zu werden.

Wenn eine PC-Platine ausgewechselt wird, wird ein Umspeichern der Daten erforderlich. Eine Veränderung der Daten ist nicht erforderlich.

Das Ablaufdiagramm des obigen Vorgangs ist in Abbildung 15 ersichtlich.

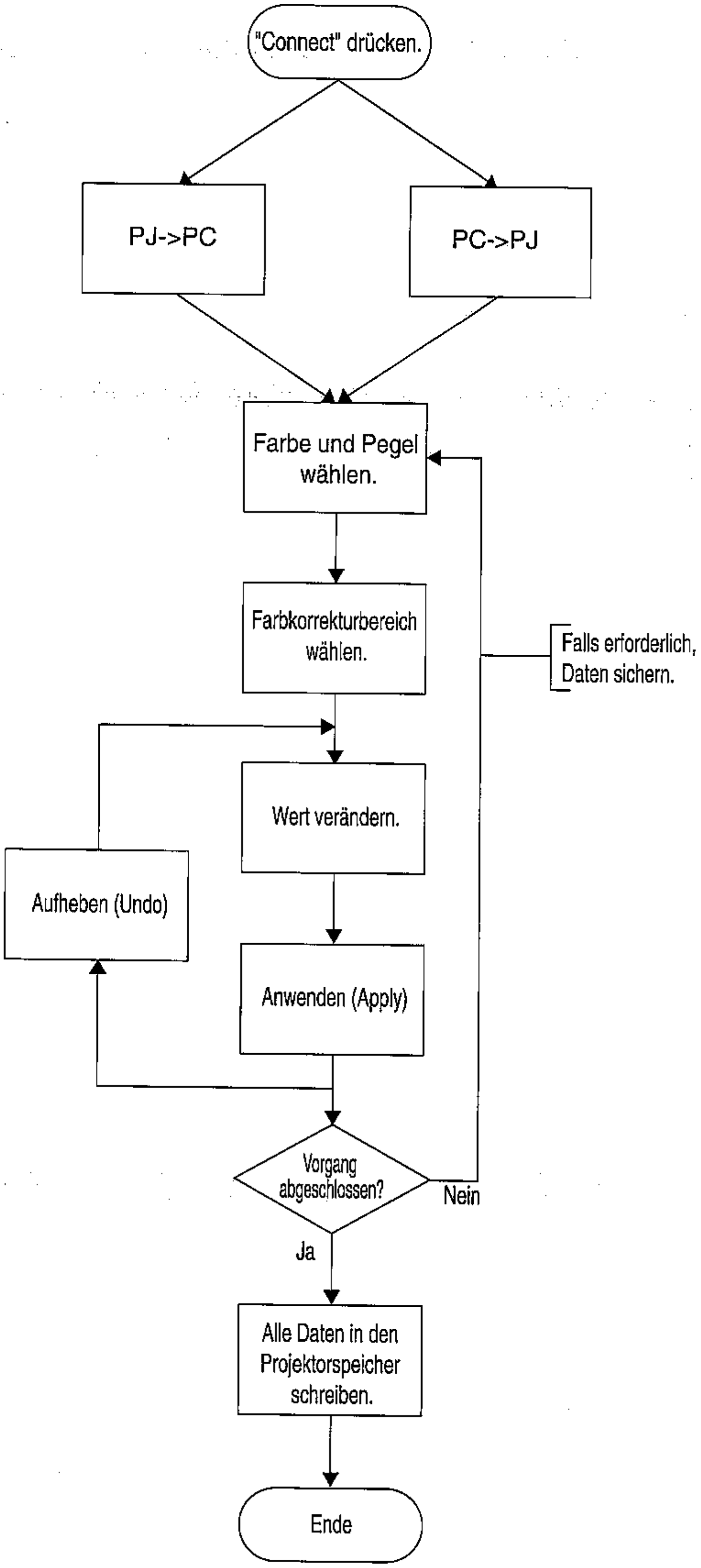

"Connect" drücken.
PJ->PC
PC->PJ
Farbe und Pegel wählen.
Farbkorrekturbereich wählen.
Falls erforderlich, Daten sichern.
Wert verändern.
Aufheben (Undo)
Anwenden (Apply)
Vorgang abgeschlossen?
Nein
Ja
Alle Daten in den Projektorspeicher schreiben.
Ende

Figure 15. Ablaufdiagramm für manuelle Farbkorrektur

5-8.WEITERE ANMERKUNGEN

- Je nachdem, welcher PC verwendet wird, können die Projektoreinstellungen teilweise unterschiedlich sein, was die Anzeige am Bildschirm beeinflussen kann. Es handelt sich dabei jedoch um keine Störung. Einfach die Helligkeits- und Kontrastregler am Projektor neu einstellen. Hiermit werden Bildstörungen reduziert. Stellen Sie jedoch sicher, daß das Hintergrundgrau den gleichen Farbton aufweist.
- Alte Daten werden gelöscht, wenn Daten aus der Datei in den Projektorspeicher geschrieben werden. Deshalb unbedingt sicherstellen, daß die Daten im vorliegenden Projektor abgespeichert werden, bevor die Projektordaten gelöscht werden.
- Die vorliegenden Daten sind ab und zu in der Datei abzuspeichern.
- Außer für die zwangsweise Beendigung des Programms kann keine Ausführung durchgeführt werden, wenn die Datenkommunikation zwischen dem Projektor und dem PC stattfindet.
- Wenn eine zwangsweise Beendigung durchgeführt wird, kann die Beendigung einige Zeit dauern.
- Es findet keine Veränderung statt, wenn der Projektor erneut eingeschaltet wird und sich keine Daten im Projektorspeicher befinden, während die "Exit"-Taste gedrückt wird.
- Wenn dieses Programm läuft, wird die Bediener-Gammaeinstellung verändert. Um die ursprüngliche Gammaeinstellung zu erhalten, sind die anfänglichen Gammadaten von SAPS zu übertragen.
- Um dieses Problem zu lösen, ist der "RESIZE"-Regler ("PICT MODE" am Modell DW100) zu benutzen, um das Bild ganz über den Bildschirm auszudehnen.
- Um den Serienanschluß des PCs auf eine anderen Port als COM1 zu schalten, ist der "port"-Parameter in der "config.ini"-Datei zu verändern. (Wenn z.B. auf COM2 umgeschaltet wird, auf "port=COM2" abändern.)
- Wenn das Steuerungsfenster verschwindet, die Maus rechts anklicken, um das Popup-Menü aufzurufen und "Show" anzuwählen.
- Während des Programmbetriebs dürfen keine Veränderungen am Projektor ausgeführt werden.
- Die Software ist ausschließlich für den Kundendienst vorgesehen. Sie darf nicht an den Endverbraucher ausgeliefert werden.

5-9.REFERENZ

- Die Farbkorrektur sollte möglichst an einer dunklen Stelle vorgenommen werden.
- Um die Farbe zu korrigieren, diese auf die Farbe in der Mitte des Bildschirms abstimmen.
- Ein Korrekturblock wird eventuell in dem Teil sichtbar, wo sich der Korrekturwert zu stark verändert. Zu diesem Zeitpunkt ist eine Glättung durchzuführen. Die Glättung kann wiederholt ausgewechselt werden.
- Hier ist die erforderliche Zeit, um die Farbungleichmäßigkeits-Korrekturdaten des Projektors zu lesen. Die Zeit hängt geringfügig vom angeschlossenen Computer ab.

  Referenz

XV-DW100U	1 Minute 30 Sekunden
XG-P10XU/XE, PG-C30XU/XE	12 Minuten
XG-V10WU/WE	30 Minuten

- Die "Aufhebung" (Undo) ist bis zu 16mal möglich.
- Das Verhältnis zwischen der Erhöhung/Verminderung der Korrekturfarben (rot, grün und blau) und der auf dem Bildschirm resultierende Farbwechsel ist wie folgt:Um zum Beispiel einen falsche Magenta-Pegel zu korrigieren, ist der Grün-Pegel zu verstärken.

Korrekturfarbe	Erhöhung	Farbungleichmäßigkeit
Rot	Rot	Cyan
Grün	Grün	Magenta
Blau	Blau	Gelb

PARTS LIST

PARTS REPLACEMENT

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

Les pieces marquées "⚠" sont importantes pour maintenir la sécurité de l'appareil. Ne remplacer ces pieces que par des pieces dont le numéro est spécifié pour maintenir la sécurité et protéger le bon fonctinnement de l'appareil.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER 2. REF. NO.
3. PART NO. 4. DESCRIPTION
5. CODE 6. QUANTITY

in USA: Contact your nearest SHARP Parts Distributor.
For location of SHARP Parts Distributor,
Please call Toll-Free; 1-800-BE-SHARP

in CANADA: Contact SHARP Electronics of Canada Limited
Phone (416) 890-2100.

★ MARK: SPARE PARTS-DELIVERY SECTION

Ref. No.	Part No.	★	Description	Code

SERVICE JIGS
(Use for servicing)

	RUNTK0698CEZZ	J	Video Capture Board, FDM-PCI/RGB	EL

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet. Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR. 2. REF. NR.
3. ERSATZTEIL NR. 4. BESCHREIBUNG
5. KODE 6. QUANTITÄT

★ MARKIERUNG : ERSATZTEILE-LIEFERUNG

Ref. No.	Part No.	★	Description	Code

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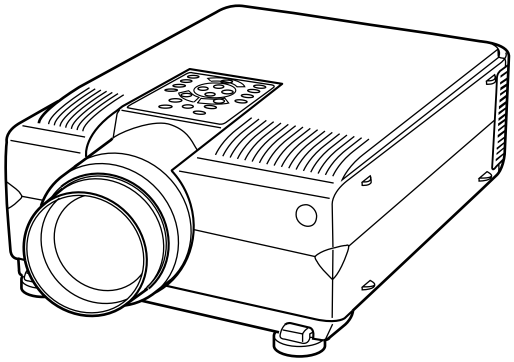
SHARP CORPORATION
AV Systems Group
Quality & Reliability Control Center
Yaita, Tochigi 329-2193, Japan

SHARP

SERVICE MANUAL
SERVICE-ANLEITUNG

S80H2XG-P10XE



LCD PROJECTOR
LCD PROJEKTOR

MODEL
MODELL **XG-P10XE**

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

Im Interesse der Benutzersicherheit (erforderliche Sicherheitsregeln in einigen Ländern) muß das Gerät in seinen Originalzustand gebracht werden. Außerdem dürfen für die spezifizierten Bauteile nur identische Teile verwendet werden.

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SHARP CORPORATION

Specifications

Product type	LCD Projector
Model	XG-P10XE
Video system	PAL/SECAM/NTSC 3.58/NTSC 4.43/DTV 480P/DTV 720P/DTV 1080I
Display method	LCD panel × 3, RGB optical shutter method
LCD panel	Panel size: 33mm (1.3") (20.0 [H] × 26.6 [W] mm) Display method: Translucent TN liquid crystal panel Drive method: TFT (Thin Film Transistor) Active Matrix panel No. of dots: 786,432 dots (1,024 [H] × 768 [V])
Lens	1–1.3× zoom lens, F1.7–2.3, f = 49.1–63.8 mm
Projection lamp	200 W UHP lamp
Contrast ratio	250:1
Video input signal	RCA Connector: VIDEO, composite video, 1.0 Vp-p, sync negative, 75 Ω terminated RCA Connector: AUDIO, 0.5 Vrms more than 22 kΩ (stereo)
S-video input signal	4-pin Mini DIN connector Y (luminance signal): 1.0 Vp-p, sync negative, 75 Ω terminated C (chrominance signal): Burst 0.286 Vp-p, 75 Ω terminated
Component input signal	BNC Connector (INPUT 1) Y:1.0 Vp-p, sync negative, 75 Ω terminated PB: 0.7 Vp-p, 75 Ω terminated PR: 0.7 Vp-p, 75 Ω terminated
Horizontal resolution	520 TV lines (video input), 750 TV lines (DTV 720P input, Dot by Dot)
Audio output	2 W + 2 W (stereo)
Computer RGB input signal	15-pin mini D-sub connector (INPUT 1, 2), 5 BNC connector (INPUT 1): RGB separate/composite sync/sync on green type analog input: 0–0.7 Vp-p, positive, 75 Ω terminated Stereo Minijack: AUDIO, 0.5 Vrms, more than 22 kΩ (stereo) Horizontal sync. signal: TTL level (positive/negative) or composite sync (Apple only) Vertical sync. signal: Same as above
Pixel clock	12–230 MHz
Vertical frequency	43–200 Hz
Horizontal frequency	15–126 kHz
Computer control signal	9-pin Mini DIN female connector (RS-232C Input Port)
Speaker system	5 cm (1 $^{31}/_{32}$") round × 2
Rated voltage	AC 110–120/220–240 V
Input current	3.2 A/1.6 A
Rated frequency	50/60 Hz
Power consumption	300 W
Operating temperature	+ 5°C to + 40°C
Storage temperature	– 20°C to + 60°C
Cabinet	Plastic
I/R carrier frequency	38 kHz
Laser pointer of remote control	Wave length: 650 nm / Max. output: 1 mW / Class II Laser Product
Dimensions (approx.)	261 × 139 × 356 mm (W × H × D) (main body only) 261 × 156 × 411.5 mm (W × H × D) (including adjustment feet and projecting parts)
Weight (approx.)	7.3 kg
Supplied accessories	Remote control, Two AA size batteries, Power cord (1.8m), Computer RGB cable (3m), Computer audio cable (3m), Three BNC-RCA adaptors, PS/2 mouse control cable (1 m), USB mouse control cable (1.5 m), DIN-D-sub RS-232C cable (15 cm), Remote mouse receiver, Extra air filter, Lens cap (attached), CD-ROM, LCD projector operation manual, LCD projector quick references, Sharp Advanced Presentation Software operation manual
Replacement parts	Standard lens unit (CLNS-0169CE02), Lamp unit (Lamp/cage module) (BQC-XGP10XE/1), Remote control (RRMCG1590CESA), AA size batteries, Power cord, Computer RGB cable (QCNW-5304CEZZ), Computer audio cable (QCNW-4870CEZZ), BNC-RCA adaptors (QPLGJ0107GEZZ), PS/2 mouse control cable (QCNW-5113CEZZ), USB mouse control cable (QCNW-5680CEZZ), DIN-D-sub RS-232C cable (QCNW-5288CEZZ), Remote mouse receiver (RUNTK0673CEZZ), Air filter (PFILD0088CEZZ), Lens cap (PCAPH1056CESA), CD-ROM (UDSKA0026CEN1), LCD projector operation manual (TINS-7068CEZZ), LCD projector quick references (TINS-7070CEZZ, TINS-7171CEZZ, TINS-7172CEZZ), Sharp Advanced Presentation Software operation manual (TINS-7069CEZZ)

This SHARP projector uses LCD (Liquid Crystal Display) panels. These very sophisticated panels contain 786,432 pixels (× RGB) TFTs (Thin Film Transistors). As with any high technology electronic equipment such as large screen TVs, video systems and video cameras, there are certain acceptable tolerances that the equipment must conform to.

This unit has some inactive TFTs within acceptable tolerances which may result in illuminated or inactive dots on the picture screen. This will not affect the picture quality or the life expectancy of the unit.

Specifications are subject to change without notice.

NOTE TO SERVICE PERSONNEL

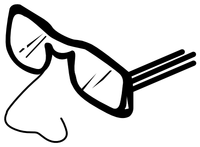
UV-RADIATION PRECAUTION

The light source, metal halide lamp, in the LCD projector emits small amounts of UV-Radiation.

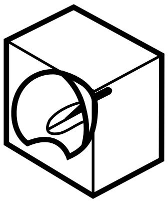
AVOID DIRECT EYE AND SKIN EXPOSURE.

To ensure safety please adhere to the following:

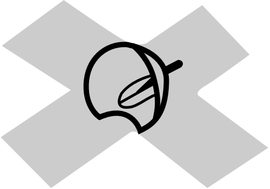
1. Be sure to wear sun-glasses when servicing the projector with the lamp turned "on" and the top enclosure removed.



2. Do not operate the lamp outside of the lamp housing.



3. Do not operate for more than 2 hours with the enclosure removed.



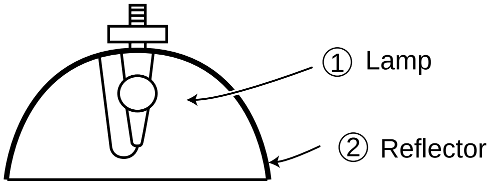
UV-Radiation and Medium Pressure Lamp Precautions

1. Be sure to disconnect the AC plug when replacing the lamp.
2. Allow one hour for the unit to cool down before servicing.
3. Replace only with same type lamp. Type CLMPF0064DE11 or BQC-XGP10XE/1 rated 85V/ 200W.
4. The lamp emits small amounts of UV-Radiation, avoid direct-eye contact.
5. The medium pressure lamp involves a risk of explosion. Be sure to follow installation instructions described below and handle the lamp with care.

■ Lamp Replacement

Note:

Since the lamp reaches a very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off. (to allow the lamp to cool off.)
Installing the new lamp, make sure not to touch the lamp (bulb) replace the lamp by holding its reflector ② .
[Use original replacement only.]



DANGER ! — Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages at its start.

Since small amounts of UV-Radiation are emitted from an opening between the duct cover and the lamp housing, it is recommended to place the LENS CAP on the opening during servicing to avoid eye and skin exposurem (Fig. 1).

Note: Please obtain a lens cap before servicing a model XG-P10XE that is received without one.

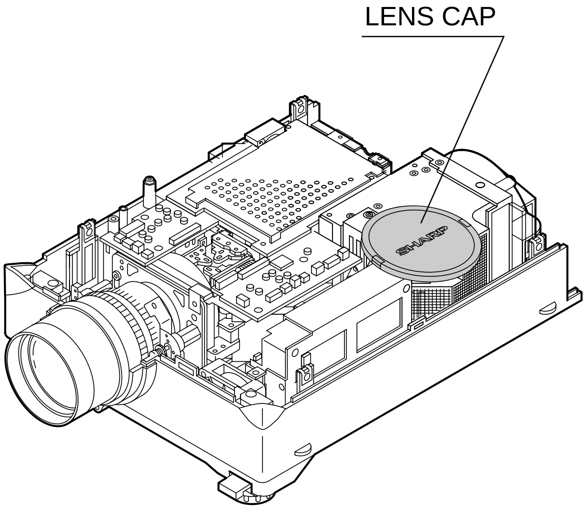
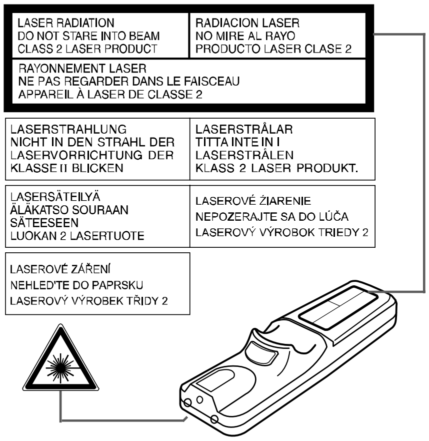


Figure 1.

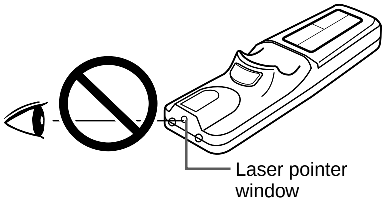
Usage Guidelines

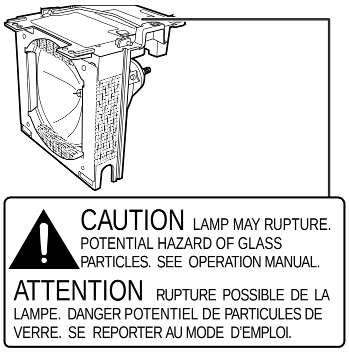

LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
RADIACION LASER
NO MIRE AL RAYO
PRODUCTO LASER CLASE 2
RAYONNEMENT LASER
NE PAS REGARDER DANS LE FAISCEAU
APPAREIL À LASER DE CLASSE 2
LASERSTRAHLUNG
NICHT IN DEN STRAHL DER
LASERVORRICHTUNG DER
KLASSE II BLICKEN
LASERSTRÅLAR
TITTA INTE IN I
LASERSTRÅLEN
KLASS 2 LASER PRODUKT.
LASERSÄTEILYÄ
ÄLÄKATSO SOURAAN
SÄTEESEEN
LUOKAN 2 LASERTUOTE
LASEROVÉ ŽIARENIE
NEPOZERAJTE SA DO LÚČA
LASEROVÝ VÝROBOK TRIEDY 2
LASEROVÉ ZÁŘENÍ
NEHLED'TE DO PAPRSKU
LASEROVÝ VÝROBEK TŘIDY 2

Cautions Concerning the Laser Pointer

The laser pointer on the remote control emits a laser beam from the laser pointer window. This is a Class II laser which may impair your sight if directed into the eyes. The two marks shown on the left are caution labels for the laser beam.

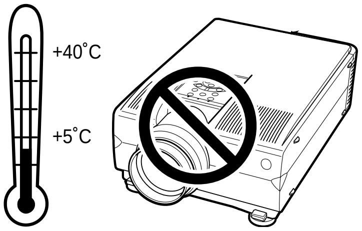
- Do not look into the laser pointer window or shine the laser beam on yourself or others. (The laser beam used in this product is harmless when directed onto the skin. However, be careful not to project the beam directly into the eyes.)
- Always use the laser pointer at temperatures between + 5°C and + 40°C.
- Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.


Laser pointer
window


CAUTION LAMP MAY RUPTURE. POTENTIAL HAZARD OF GLASS PARTICLES. SEE OPERATION MANUAL.
ATTENTION RUPTURE POSSIBLE DE LA LAMPE. DANGER POTENTIEL DE PARTICULES DE VERRE. SE REPORTER AU MODE D'EMPLOI.

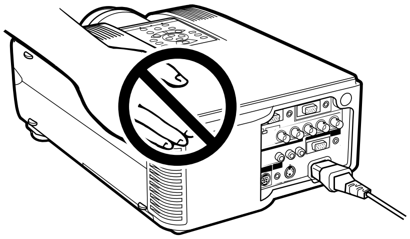
Caution Concerning the Lamp Unit

Potential hazard of glass particles if lamp ruptures. Please have Sharp Authorised LCD Projector Dealer or Service Centre replace lamp if rupture occurs.



Cautions Concerning the Setup of the Projector

For minimal servicing and to maintain high image quality, SHARP recommends that this projector be installed in an area free from humidity, dust and cigarette smoke. If the projector is used in these environments, the lens and filter will need to be cleaned (or the filter replaced) more often, and internal cleaning may become necessary. As long as the projector is regularly cleaned, use in these environments will not reduce the overall operation life of the unit. Internal cleaning should only be performed by a Sharp Authorised LCD Projector Dealer or Service Centre.



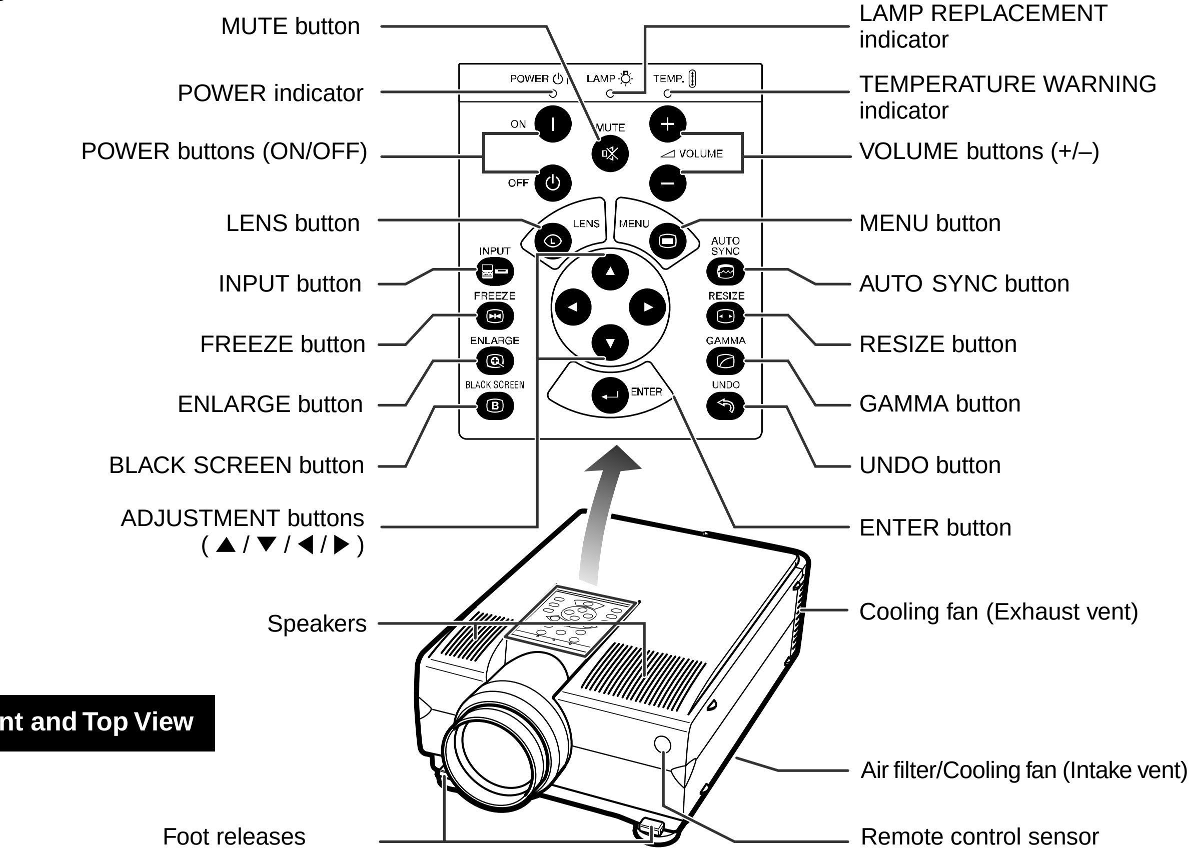
Notes on Operation

- The exhaust vent, the lamp cage cover and adjacent areas may be extremely hot during projector operation. To prevent injury,do not touch these areas until they have sufficiently cooled.
- Allow at least 10 cm of space between the cooling fan (exhaust vent) and the nearest wall or obstruction.
- If the cooling fan becomes obstructed, a protection device will automatically turn off the projector lamp. This does not indicate a malfunction. Remove the projector power cord from the wall outlet and wait at least 10 minutes. Then turn on the power by plugging the power cord back in. This will return the projector to the normal operating condition.

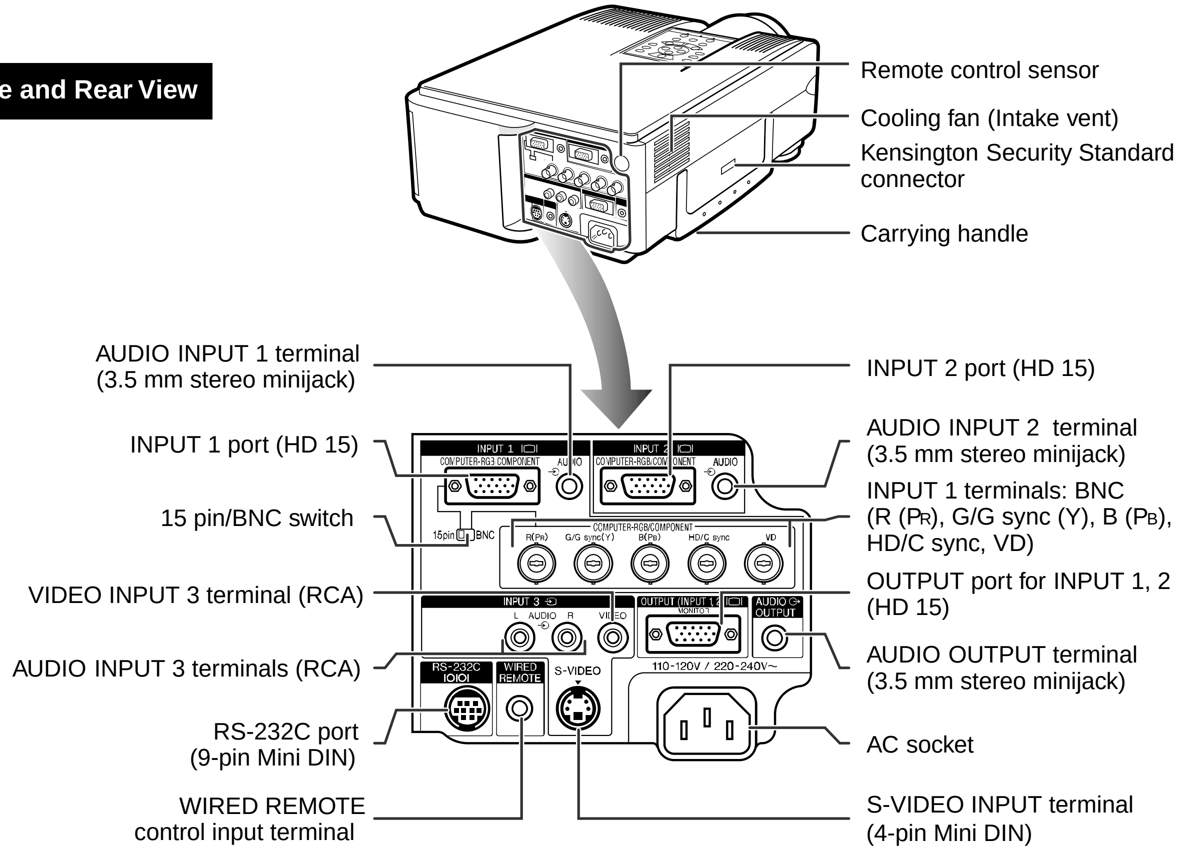
Location of Controls

Projector

Front and Top View


MUTE button
POWER indicator
POWER buttons (ON/OFF)
LENS button
INPUT button
FREEZE button
ENLARGE button
BLACK SCREEN button
ADJUSTMENT buttons
(▲ / ▼ / ◀ / ▶)
Speakers
Foot releases
LAMP REPLACEMENT indicator
TEMPERATURE WARNING indicator
VOLUME buttons (+/–)
MENU button
AUTO SYNC button
RESIZE button
GAMMA button
UNDO button
ENTER button
Cooling fan (Exhaust vent)
Air filter/Cooling fan (Intake vent)
Remote control sensor
POWER
LAMP
TEMP.
ON
OFF
MUTE
VOLUME
LENS
MENU
INPUT
AUTO SYNC
FREEZE
RESIZE
ENLARGE
GAMMA
BLACK SCREEN
UNDO
ENTER

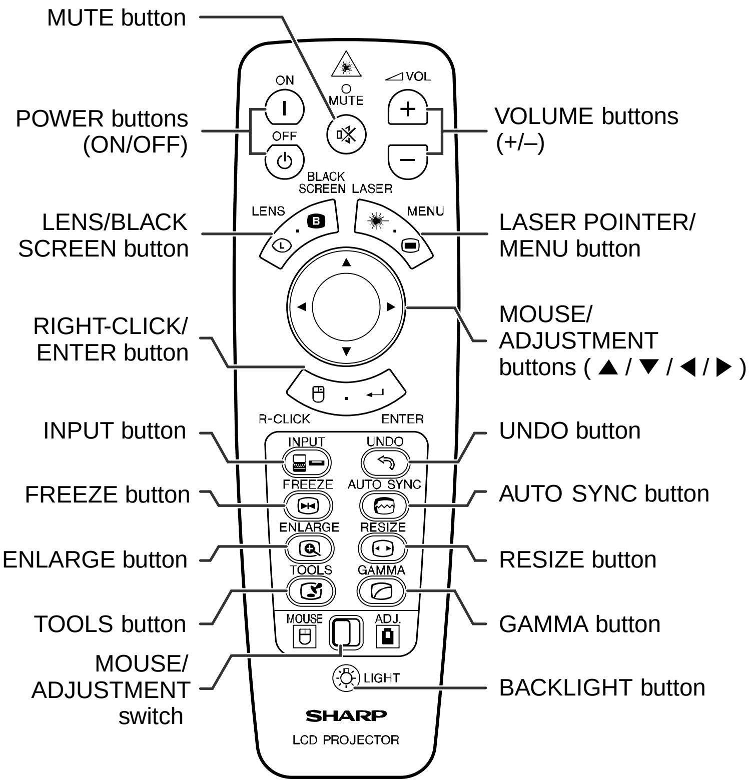
Side and Rear View


Remote control sensor
Cooling fan (Intake vent)
Kensington Security Standard connector
Carrying handle
AUDIO INPUT 1 terminal (3.5 mm stereo minijack)
INPUT 1 port (HD 15)
15 pin/BNC switch
VIDEO INPUT 3 terminal (RCA)
AUDIO INPUT 3 terminals (RCA)
RS-232C port (9-pin Mini DIN)
WIRED REMOTE control input terminal
INPUT 2 port (HD 15)
AUDIO INPUT 2 terminal (3.5 mm stereo minijack)
INPUT 1 terminals: BNC (R (PR), G/G sync (Y), B (PB), HD/C sync, VD)
OUTPUT port for INPUT 1, 2 (HD 15)
AUDIO OUTPUT terminal (3.5 mm stereo minijack)
AC socket
S-VIDEO INPUT terminal (4-pin Mini DIN)
INPUT 1
COMPUTER-RGB/COMPONENT
AUDIO
INPUT 2
15pin
BNC
R(PR)
G/G sync(Y)
B(PB)
HD/C sync
VD
INPUT 3
L
R
VIDEO
OUTPUT (INPUT 1,2)
MONITOR
AUDIO OUTPUT
RS-232C
WIRED REMOTE
S-VIDEO
110-120V / 220-240V~

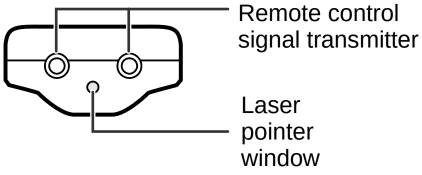
Operating the Wireless Mouse Remote Control

Remote Control

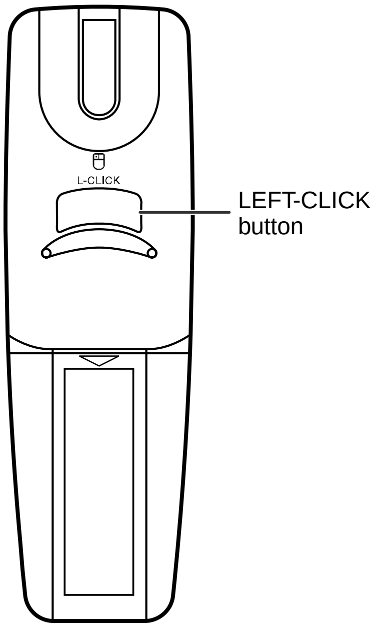
Font View


MUTE button
POWER buttons (ON/OFF)
LENS/BLACK SCREEN button
RIGHT-CLICK/ ENTER button
INPUT button
FREEZE button
ENLARGE button
TOOLS button
MOUSE/ ADJUSTMENT switch
VOLUME buttons (+/–)
LASER POINTER/ MENU button
MOUSE/ ADJUSTMENT buttons (▲ / ▼ / ◀ / ▶)
UNDO button
AUTO SYNC button
RESIZE button
GAMMA button
BACKLIGHT button
ON
OFF
MUTE
VOL
BLACK SCREEN
LASER
LENS
MENU
R-CLICK
ENTER
INPUT
UNDO
FREEZE
AUTO SYNC
ENLARGE
RESIZE
TOOLS
GAMMA
MOUSE
ADJ.
LIGHT
SHARP
LCD PROJECTOR

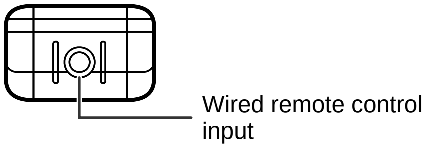
Top View


Remote control signal transmitter
Laser pointer window

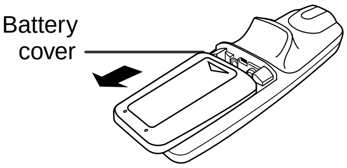
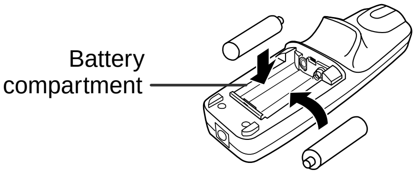
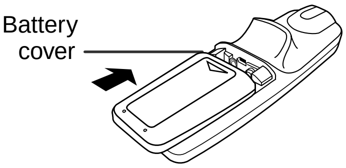
Rear View

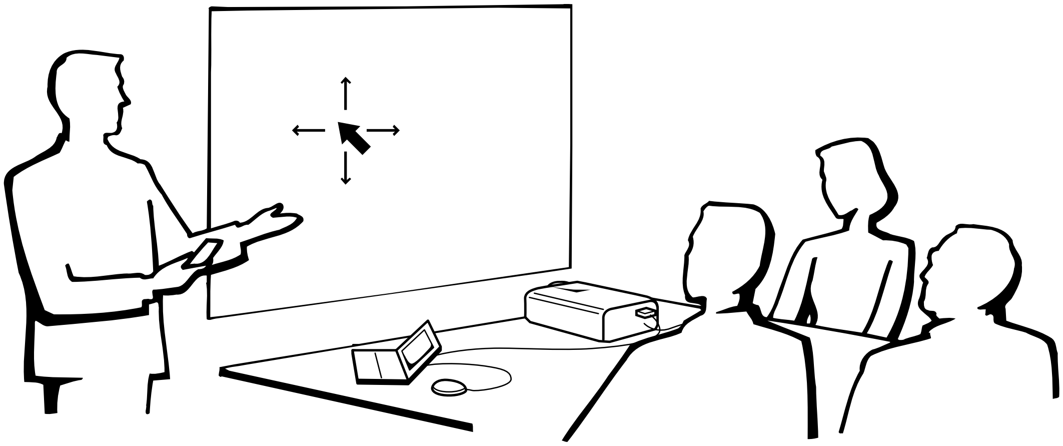

L-CLICK
LEFT-CLICK button

Bottom View


Wired remote control input

Inserting the batteries

1 **Press in on the arrow mark and slide in the direction of the arrow to remove the battery cover.**	**2** **Insert two AA size batteries, making sure their polarities match the + and – marks inside the battery compartment.**	**3** **Insert the side tabs of the battery cover into their slots and press the cover in until it is properly seated.**
 Battery cover	 Battery compartment	 Battery cover

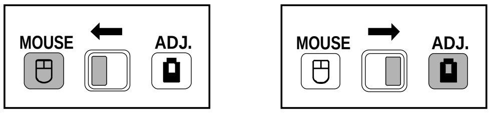


Using the Remote Control as a Wireless Mouse

The remote control has the following three functions:

- Projector control
- Wireless mouse
- Laser pointer

MOUSE/ADJUSTMENT switch (Remote control)


MOUSE
ADJ.
MOUSE
ADJ.

Wireless mouse
Laser pointer

Projector control

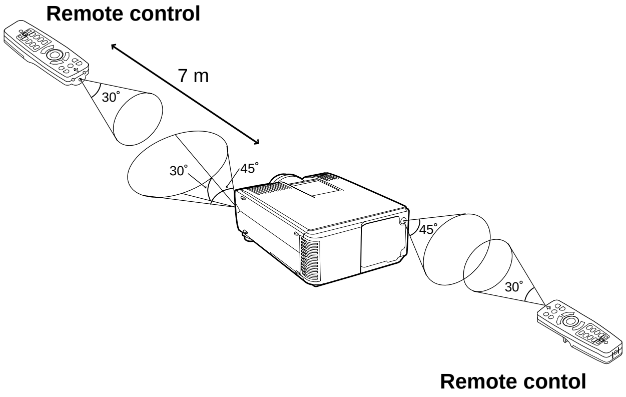
Remote Control/Mouse Receiver Positioning

- The remote control can be used to control the projector within the ranges shown below.
- The remote mouse receiver can be used with the remote control to control the mouse functions of a connected computer within the ranges shown below.

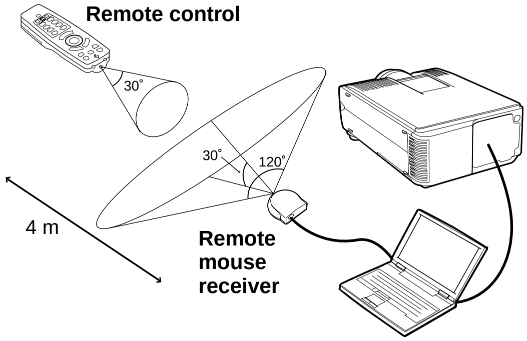
NOTE

- The signal from the remote control can be reflected off a screen for easy operation. However, the effective distance of the signal may differ due to the screen material.

Controlling the Projector


Remote control
7 m
30˚
30˚
45˚
45˚
30˚
Remote contol

Using the Wireless Mouse

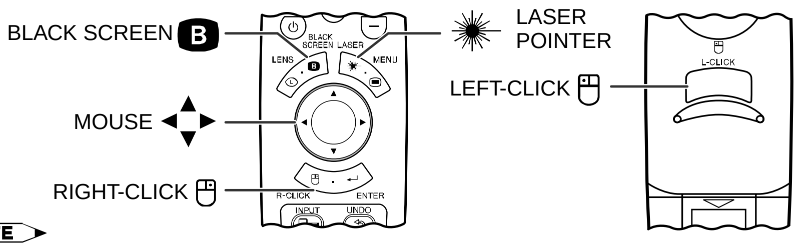

Remote control
30˚
30˚
120˚
4 m
Remote mouse receiver

Use as a Wireless Mouse

Be sure the supplied remote mouse receiver is connected to your computer.

Slide the **MOUSE/ADJUSTMENT** switch to MOUSE.

Effective buttons in MOUSE mode


BLACK SCREEN
B
MOUSE
RIGHT-CLICK
LASER POINTER
LEFT-CLICK
BLACK SCREEN
LASER
LENS
MENU
R-CLICK
ENTER
INPUT
UNDO
L-CLICK

NOTE

- The wireless mouse may not operate correctly if your computer serial port is not correctly set up. Refer to the computer's operation manual for details of setting up/installing the mouse driver.
- For one-button mouse systems, use either the **LEFT-CLICK** or **RIGHT-CLICK** button.

LIGHT

Using the remote control in a dark room

Press **BACKLIGHT**, and the buttons will light up. Green lights refer to mouse operations, and red lights to projector adjustments.

Button name	Position of MOUSE/ADJUSTMENT switch	
	MOUSE ⟷	ADJ.
LASER POINTER/MENU	LASER POINTER (GREEN)	MENU (RED)
BLACK SCREEN/LENS	BLACK SCREEN (GREEN)	LENS (RED)
RIGHT-CLICK/ENTER	RIGHT-CLICK GREEN)	ENTER (RED)
MOUSE/ADJUSTMENT	MOUSE (NOT LIT)	ADJUSTMENT (NOT LIT)
LEFT-CLICK	ON (NOT LIT)	—
POWER ON/OFF	ON (RED)	
VOLUME+ / -		
MUTE		

Button name	Position of MOUSE/ADJUSTMENT switch
	MOUSE ⟷ ADJ.
INPUT	ON (RED)
UNDO	
FREEZE	
AUTO SYNC	
ENLARGE	
RESIZE	
TOOLS	
GAMMA	

Use as a Laser Pointer

① Slide the **MOUSE/ADJUSTMENT** switch to MOUSE.

LASER

② Press **LASER POINTER (✷)** to activate the laser pointer.
When the button is released, the light automatically goes off.

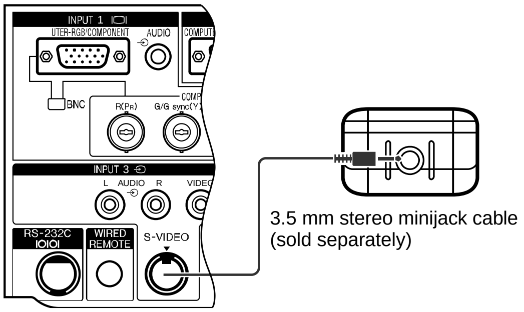
NOTE

- For safety, the laser pointer automatically goes off after 1 minute of continuous use. To turn it on, release **LASER POINTER** (✷) and press again.

CAUTION

- Do not look into the laser pointer window or shine the laser beam on yourself or others. (The laser beam used in this product is harmless when directed onto the skin. However, be careful not to project the beam directly into the eyes.)

Wired Remote Control


INPUT 1
COMPUTER-RGB/COMPONENT
AUDIO
BNC
R(PR)
G/G sync(Y)
INPUT 3
L AUDIO R
VIDEO
RS-232C
WIRED REMOTE
S-VIDEO
3.5 mm stereo minijack cable (sold separately)

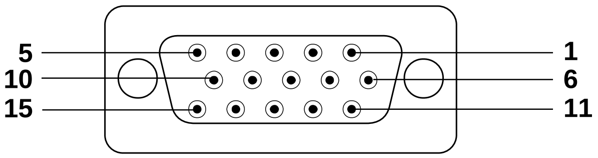
When the remote control cannot be used due to the range or positioning of the projector (rear projection, etc.), connect a 3.5 mm stereo minijack cable (sold separately) from the wired remote control input on the bottom of the remote control to the WIRED REMOTE control input terminal on the rear of the projector.

NOTE

- The laser pointer and wireless mouse functions can still be operated with the wired remote control.

Connection Pin Assignments

Analog Computer 1 and 2 Signal Input Ports: 15-pin mini D-sub female connector



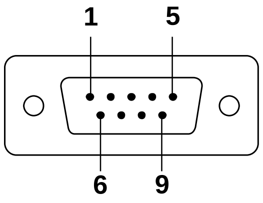
Computer Input
Analog

1. Video input (red)
2. Video input (green/sync on green)
3. Video input (blue)
4. Reserve input 1
5. Composite sync
6. Earth (red)
7. Earth (green/sync on green)
8. Earth (blue)
9. Not connected
10. GND
11. GND
12. Bi-directional data
13. Horizontal sync signal
14. Vertical sync signal
15. Data clock

Component Input
Analog

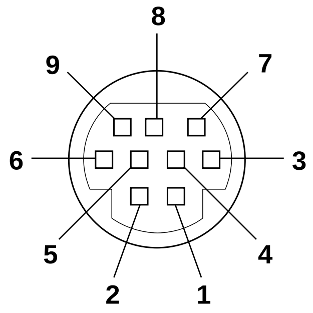
1. P_R (C_R)
2. Y
3. P_B (C_B)
4. Not connected
5. Not connected
6. Earth (P_R)
7. Earth (Y)
8. Earth (P_B)
9. Not connected
10. Not connected
11. Not connected
12. Not connected
13. Not connected
14. Not connected
15. Not connected

RS-232C Port: 9-pin D-sub male connector of the DIN-D-sub RS-232C cable



Pin No.	Signal	Name	I/O	Reference
1	CD			Not connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4	ER			Not connected
5	SG	Signal Ground		Connected to internal circuit
6	DR	Data Set Ready	Output	Not connected
7	RS	Request to Send	Output	Connected to internal circuit
8	CS	Clear to Send	Input	Connected to internal circuit
9	CI			Not connected

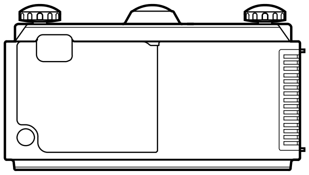
RS-232C Terminal: 9-pin Mini DIN female connector



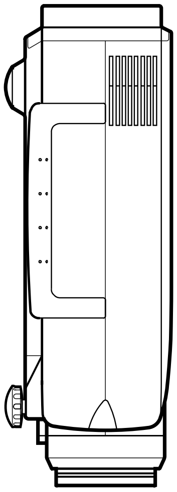
Pin No.	Signal	Name	I/O	Reference
1	VCC	+3.3V (Reserved)	Output	Not connected
2	RD	Receive Data	Input	Connected to internal circuit
3	SD	Send Data	Output	Connected to internal circuit
4	EXIR	Detector of Option Unit (Reserved)	Input	Not connected
5	SG	Signal Ground		Connected to internal circuit
6	ERX	IR Receive Signal from IR Amplifier (Reserved)	Input	Not connected
7	RS	Request to Send	Output	Connected to internal circuit
8	CS	Clear to Send	Input	Connected to internal circuit
9	ETX	IR Transmit Signal (Reserved)	Output	Not connected

Dimensions

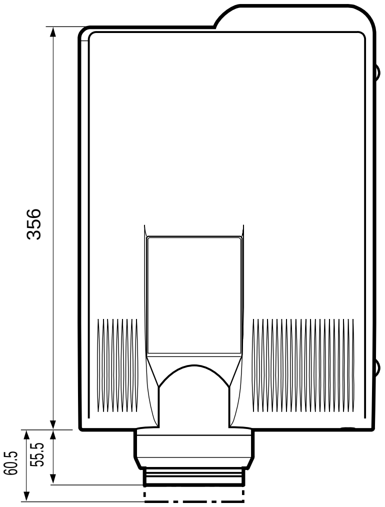
Rear View

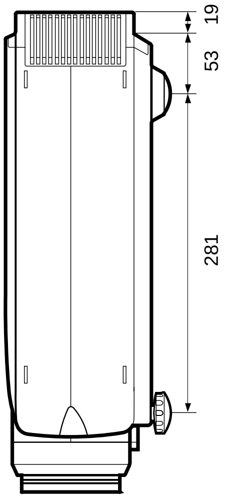


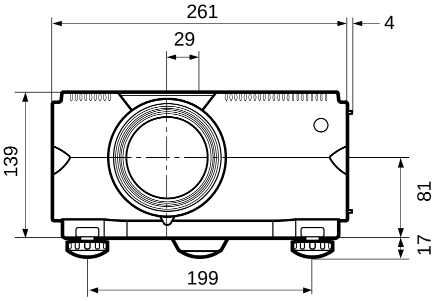
Top View



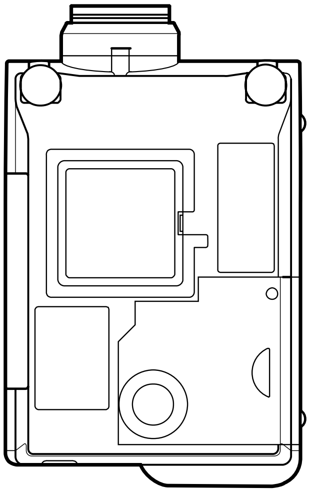
Side View






261
4
29
139
81
17
199

Front View



Bottom View

Units: mm

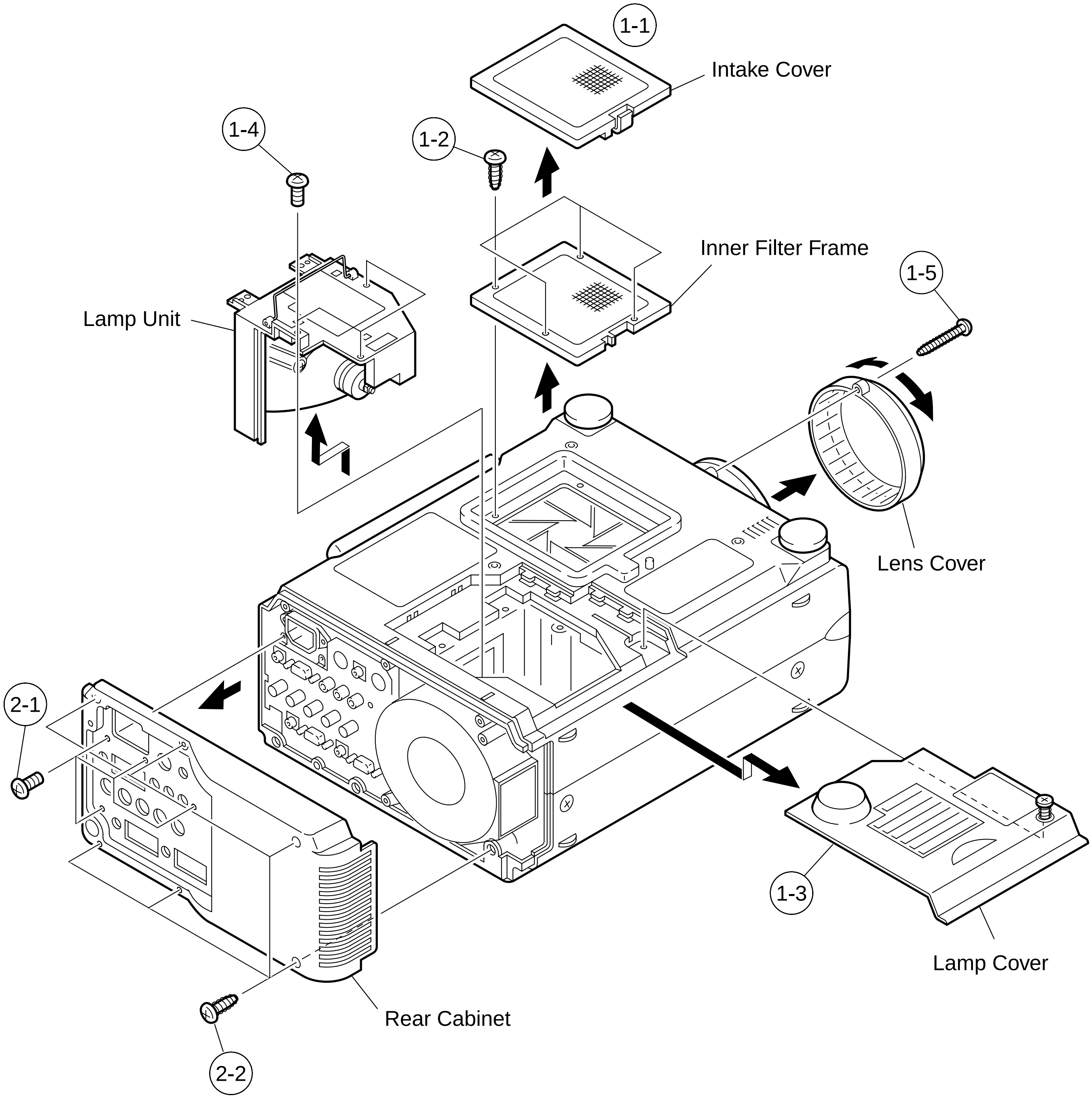
REMOVING OF MAJOR PARTS

1. Removing the Intake cover, lamp unit and lens cover.

1-1. Detach the Intake cover.
1-2. Remove the four lock screws off the inner filter frame. Detach the frame.
1-3. Remove the lock screw off the lamp cover. Slide and detach the lamp cover.
1-4. Remove the three lock screws off the lamp unit and detach the lamp unit.
1-5. Remove the lens cover lock screw, and turn and detach the lens cover.

2. Removing the rear cabinet.

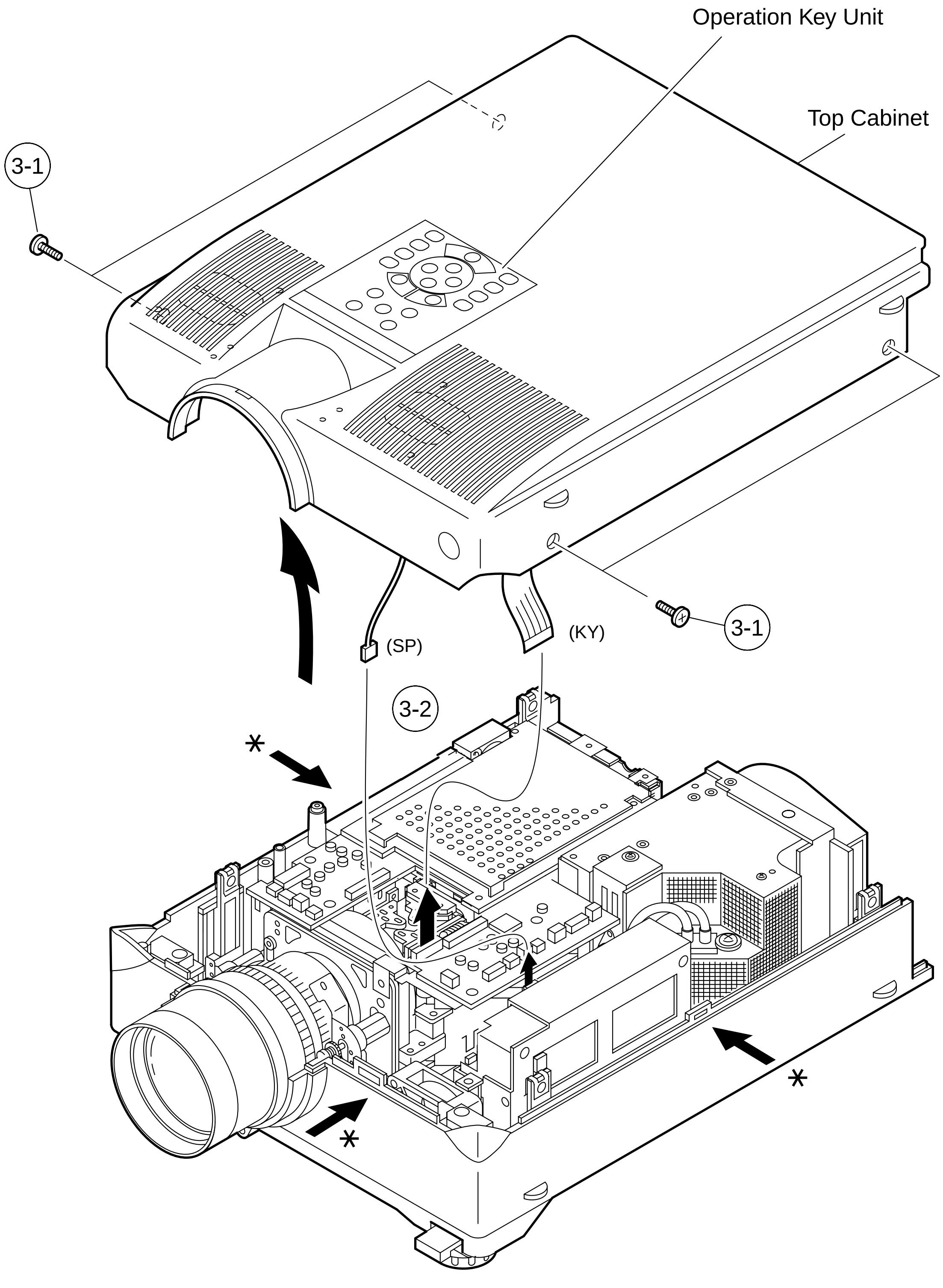
2-1. Remove the four lock screws off the terminal board.
2-2. Remove the six lock screws off the rear cabinet. Detach the rear cabinet.


1-1
Intake Cover
1-4
1-2
Inner Filter Frame
1-5
Lamp Unit
Lens Cover
2-1
1-3
Lamp Cover
Rear Cabinet
2-2

3. Removing the top cabinet.

3-1. Remove the four lock screws off the top cabinet.

3-2. Unhook the top cabinet by pressing the center of both sides of the bottom cabinet as well as the hook on the front (all marked with ⁎). Slowly lift the back of the cabinet and disconnect the operation key unit connector (KY) and the speaker connector (SP). Then detach the top cabinet.

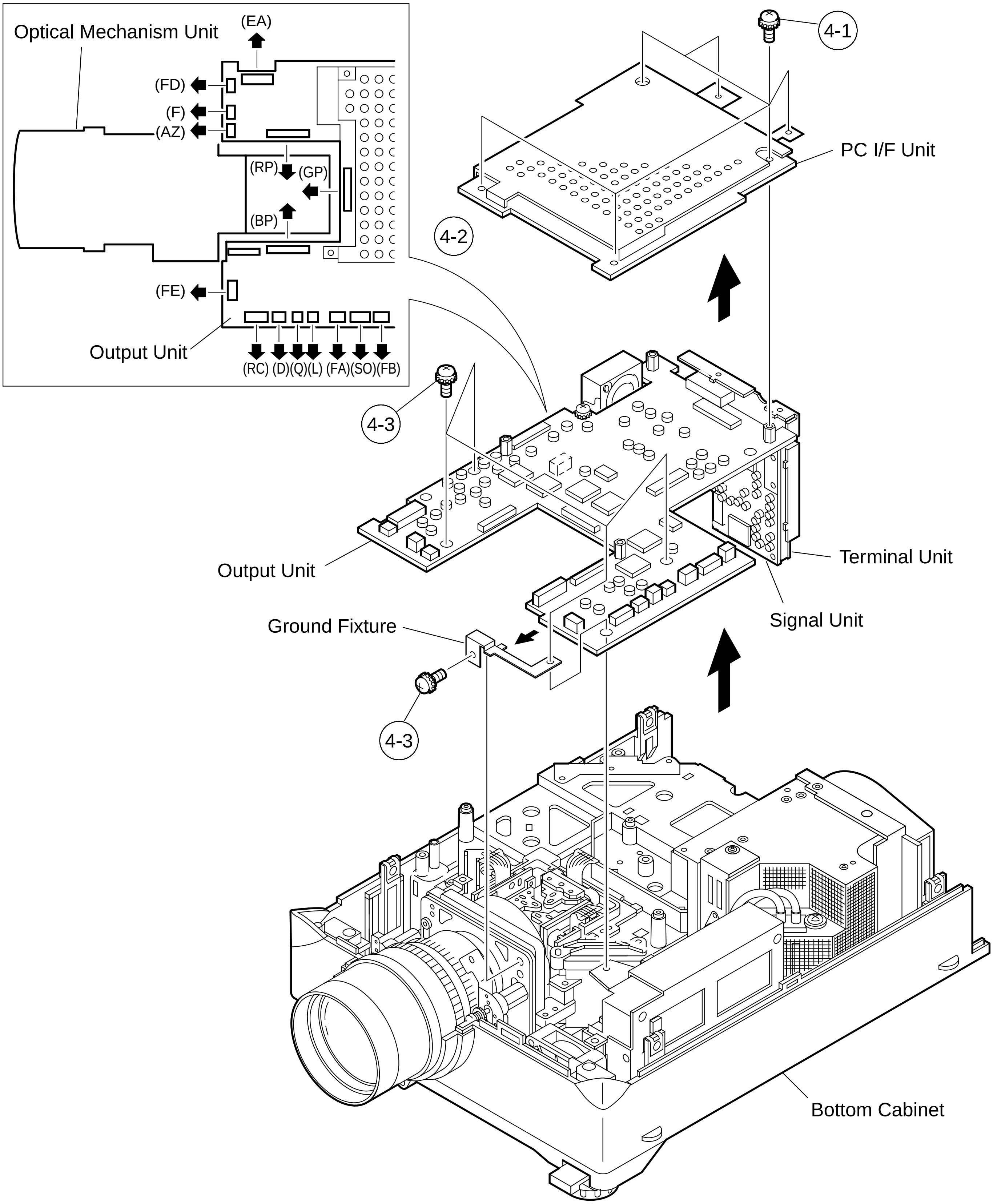

Operation Key Unit
Top Cabinet
3-1
3-1
(SP)
(KY)
3-2
⁎
⁎
⁎

4. Removing the PWB units

4-1. Remove the six lock screws off the PC I/F unit. Lift and detach the unit off the output unit.

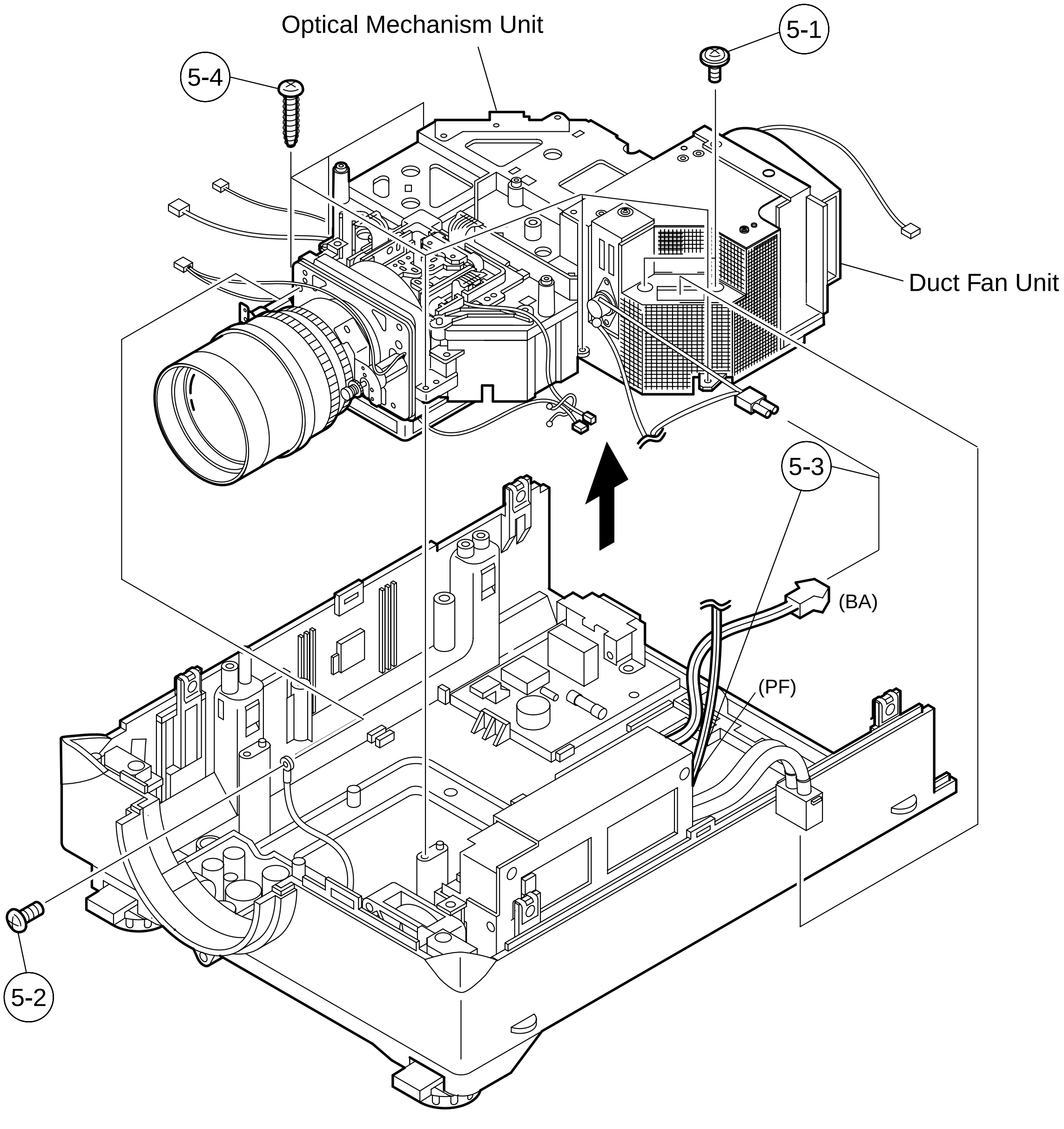
4-2. Disconnect the connectors from the output unit.

4-3. Remove the four lock screws off the output units. Remove also the lock screw off the ground fixture and detach the ground fixture. Lift and detach the output, terminal and signal units.


Optical Mechanism Unit
(EA)
(FD)
(F)
(AZ)
(RP)
(GP)
(BP)
(FE)
Output Unit
(RC) (D)(Q)(L) (FA)(SO)(FB)
4-1
PC I/F Unit
4-2
4-3
Output Unit
Terminal Unit
Ground Fixture
Signal Unit
4-3
Bottom Cabinet

5. Removing the optical mechanism unit

5-1. Remove the two lock screws off the lamp socket holder. Detach the holder.
5-2. Disconnect the ground wire from the power unit.
5-3. Disconnect the connector(BA) from AC power switch and connector (PF) from the ballust unit.
5-4. Remove the six lock screws off the optical mechanism unit. Lift and detach the unit.


Optical Mechanism Unit
5-1
5-4
Duct Fan Unit
5-3
(BA)
(PF)
5-2

6. Removing the ballast / PFC / sound-out unit assembly.

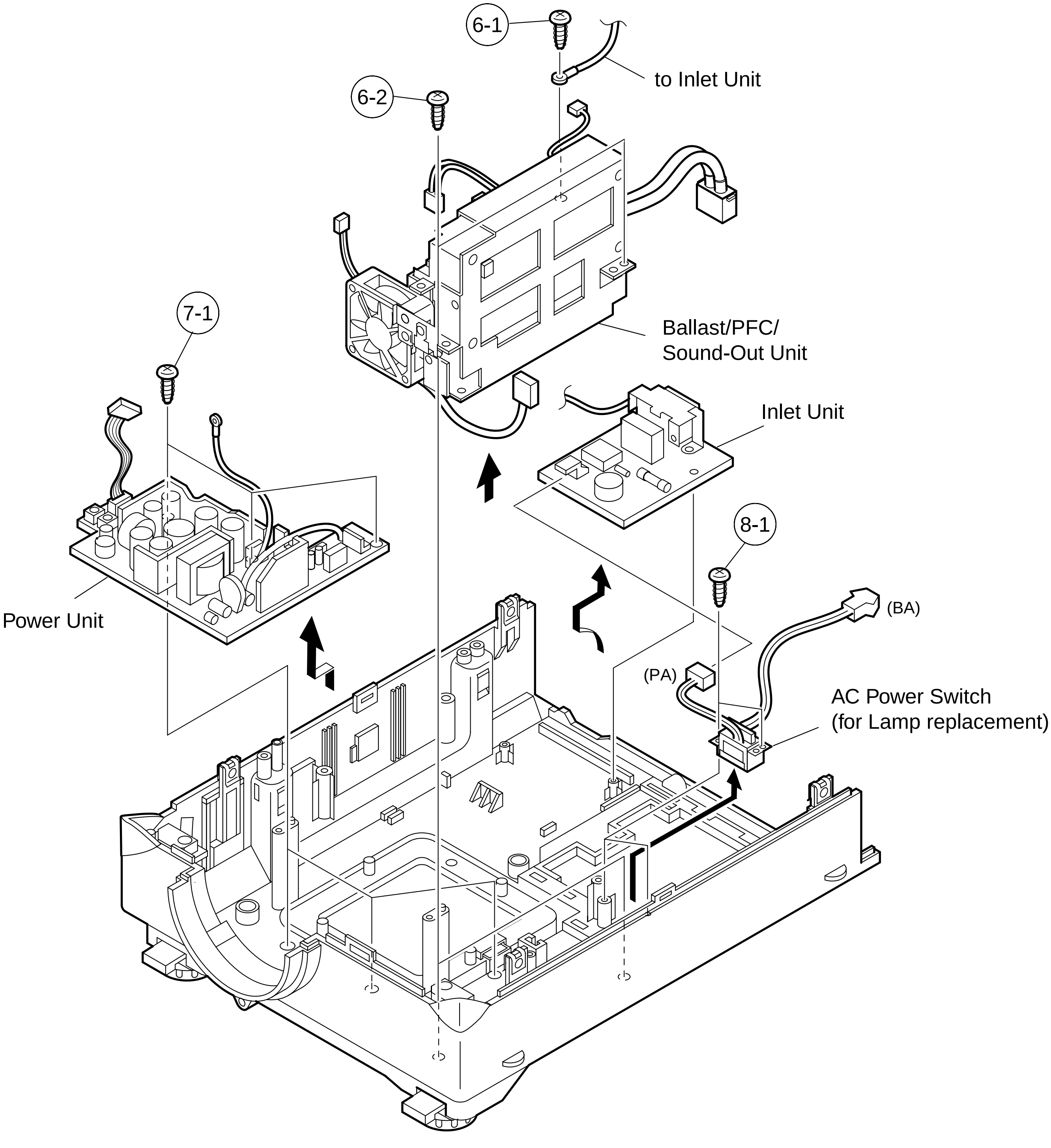
6-1. Disconnect the ground wire from the inlet unit.
6-2. Remove the two lock screws off the ballast/PFC/sound-out unit assembly. Detach the assembly.

7. Removing the power unit

7-1. Remove the three lock screws off the power PWB. Detach the power unit.

8. Removing the AC power switch and inlet unit.

8-1. Remove the two lock screws off the AC power switch, disconnect the connector (PA) from the inlet unit, and detach the AC power switch and the inlet unit.

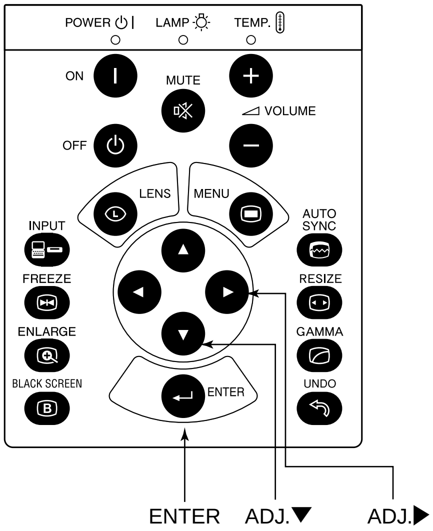

6-1
to Inlet Unit
6-2
7-1
Ballast/PFC/
Sound-Out Unit
Inlet Unit
8-1
(BA)
Power Unit
(PA)
AC Power Switch
(for Lamp replacement)

RESETTING THE TOTAL LAMP TIMER

When the lamp has been replaced, reset the total lamp timer in the following steps.

Resetting procedure

1. While holding down the “ENTER”, “ADJ.▼” and “ADJ.▶” keys on the set at the same time, turn on the POWER ON key.
2. Now the total lamp timer is reset to zero. “000H” appears on the screen.



Lamp

The lamp in this projector operates for approximately 1,000 cumulative hours, depending on the usage environment. It is recommended that the lamp be replaced after 900 cumulative hours of use or when you notice a significant deterioration of the picture and colour quality. The lamp usage time can be checked with the On-screen Display.

⚠ CAUTION

- Intense light hazard. Do not attempt to look into the aperture and lens while the projector is operating.

NOTE

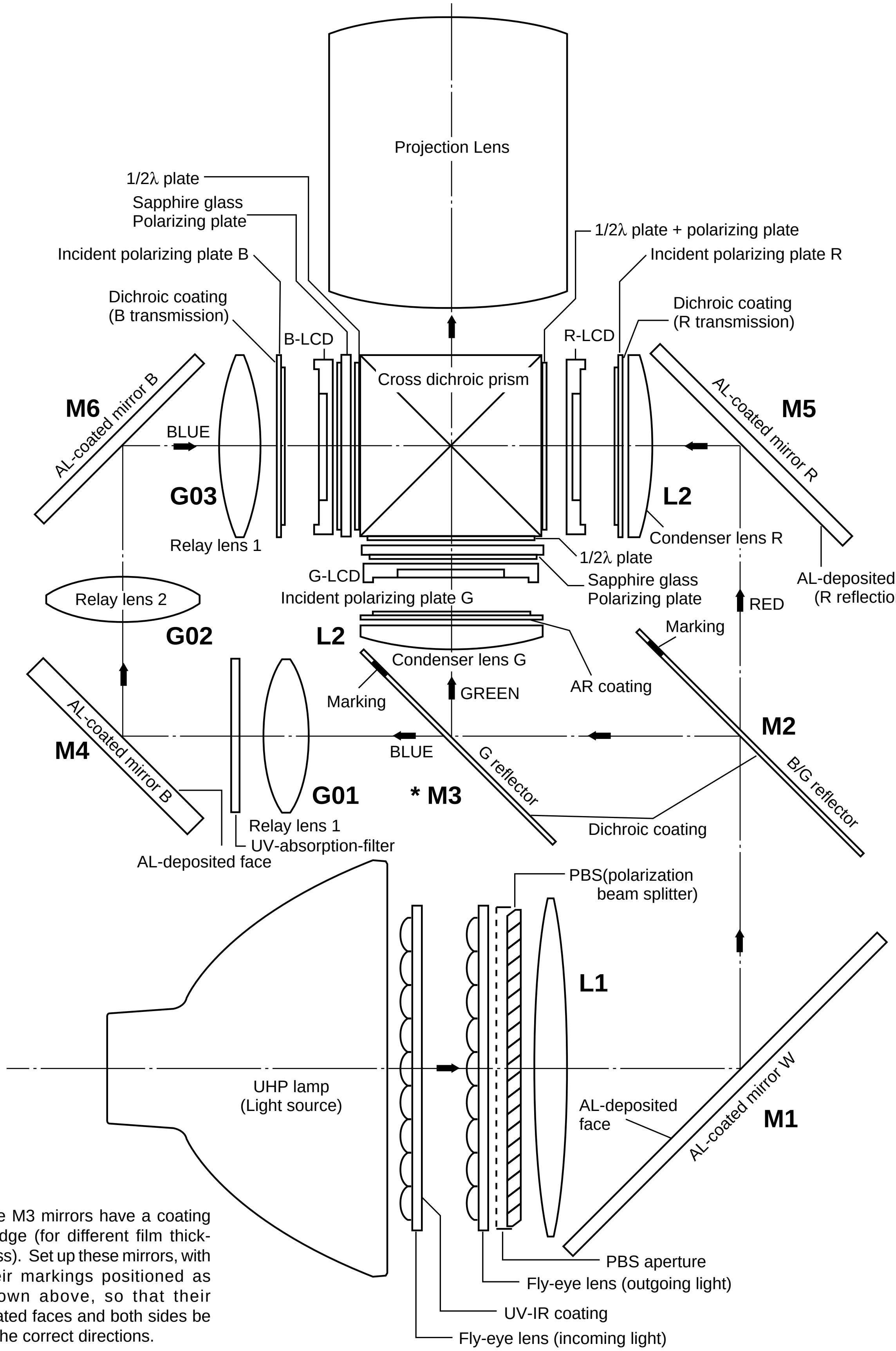
- As the usage environment can vary significantly, the projector lamp may not operate for 1,000 hours.

Condition	Problem	Possible Solution
The LAMP REPLACEMENT indicator lights up red, and “LAMP” and “☼” will flash in yellow in the lower-left corner of the picture.	• Lamp has been used for over 900 hours.	• Purchase a replacement lamp unit (lamp/cage module) of the current type BQC-XGP10XE/1 from your nearest Sharp Authorised LCD Projector Dealer or Service Centre. • Replace the lamp. If you wish, you may have the lamp replaced at your nearest Sharp Authorised LCD Projector Dealer or Service Centre.
A significant deterioration of the picture and colour quality occurs.		
The power will automatically turn off and the projector will enter standby mode.	• Lamp has been used for over 1,000 hours.	
“LAMP” and “☼” will flash in red in the lower-left corner of the picture, and the power will turn of		

THE OPTICAL UNIT OUTLINE

Layout of the optical system

Note: Layout for positioning the optical system.


Projection Lens
1/2λ plate
Sapphire glass
Polarizing plate
Incident polarizing plate B
Dichroic coating
(B transmission)
B-LCD
1/2λ plate + polarizing plate
Incident polarizing plate R
Dichroic coating
(R transmission)
R-LCD
Cross dichroic prism
M6
AL-coated mirror B
BLUE
M5
AL-coated mirror R
G03
L2
Relay lens 1
Condenser lens R
1/2λ plate
G-LCD
Sapphire glass
Polarizing plate
AL-deposited face
(R reflection)
Relay lens 2
Incident polarizing plate G
RED
Marking
G02
L2
Condenser lens G
AR coating
Marking
GREEN
M2
M4
AL-coated mirror B
BLUE
G reflector
B/G reflector
G01
* M3
Dichroic coating
Relay lens 1
UV-absorption-filter
AL-deposited face
PBS(polarization
beam splitter)
L1
UHP lamp
(Light source)
AL-deposited
face
AL-coated mirror W
M1
PBS aperture
Fly-eye lens (outgoing light)
UV-IR coating
Fly-eye lens (incoming light)

* The M3 mirrors have a coating wedge (for different film thickness). Set up these mirrors, with their markings positioned as shown above, so that their coated faces and both sides be in the correct directions.

CONVERGENCE AND FOCUS ADJUSTMENT

- **Start the convergence and focus adjustments with the top cabinet and the LCD cover removed but the power on. Use the remote control to adjust the image. Take the following procedures.**

1. Focusing the projection lens

(A) Replacing all the 3 LCD panels

1. Before replacing all the 3 LCD panels, project an image on the screen and bring it into focus.
2. Replace the panels with new ones. But until the focus has been completely readjusted, be careful not to change the distance between the set and the screen, nor to move the projection lens focus and zoom rings.
   If the focus is readjusted with a different positional relation, the relation between the projection distance and the screen size is affected. In other words, a short-distance image (40 WIDE, for example) may get out of the focus range, or a long-distance image (300 WIDE, for example) may come out of focus.

(B) Replacing 1 or 2 of the 3 LCD panels

1. In adjusting the focus after replacement of one or two LCD panels, project an image on the screen and turn the projection lens focus ring to get the non-replaced LCD panel into focus.
2. But until the focus has been completely adjusted for the new LCD panels, be careful not to change the distance between the set and the screen, nor to move the projection lens focus and zoom rings.
   (If the distance has been changed or the projection lens readjusted, repeat the above steps 1 and 2.)

2. Adjusting the G-LCD panel

(A) Focus adjustment. (Make this adjustment on the white-only screen.)

1. Right-and-left focus adjustment (θY direction) .
   Loosen the lock screws "b" and "c" and insert the eccentric screwdriver into the notch and hole "b". Turn the screwdriver until the right and left halves on the screen get into focus.
   First get the right and left halves in balance. Then improve the accuracy while making the adjustment 2 below.
2. Top-center-bottom focus adjustment (θX and Z directions).
   Loosen the lock screws "a" and "c" and insert the eccentric screwdriver into the notch and hole "a" or "c". Turn the screwdriver until the top, center and bottom on the screen get into focus. In adjusting this top-to-bottom focus, temporarily tighten the lock screw "b" to fix the θY direction adjustment.
3. Repeat the above steps 1 and 2 to finely adjust the focus. Finally tighten up all the lock screws.

Notes :

① Carefully proceed with the focus adjustment because the adjusting directions are correlated.
② In adjusting the convergence and focus, do not move the projection lens zoom and focus rings until the end of all the adjustments.

(B) Convergence adjustment

- The G-LCD panel has no convergence adjustment mechanism. Use this panel as convergence adjustment reference.

3. B-LCD panel adjustment (the same for the R-LCD panel)

(A) Focus adjustment

- Take the same procedure as for the G-LCD panel focus adjustment. Note that the adjustment range is small in the Z direction. If the convergence is quite different between the B-LCD and G-LCD panels, roughly adjust the convergence first and then the focus.

(B) Convergence adjustment

- Use a crosshatch pattern signal for this adjustment.
  Make the adjustment just for the G-colour and the relevant colour.
  (1) Loosen the convergence lock screw "d".
  (2) With the G-LCD panel's screen center as reference, adjust the B-LCD panel in the X, Y and θZ directions.
  (3) Finally tighten up the convergence lock screw "d".

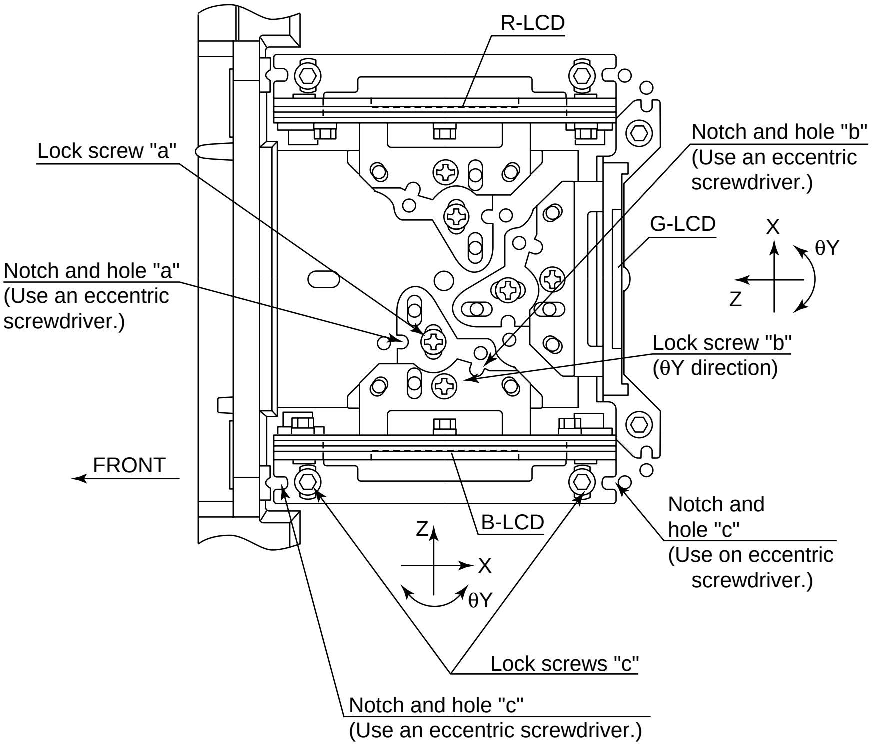
Notes :

① The eccentric cam is used for convergence adjustment. This means that the cam’s turning and the linear movement are not always uniform.

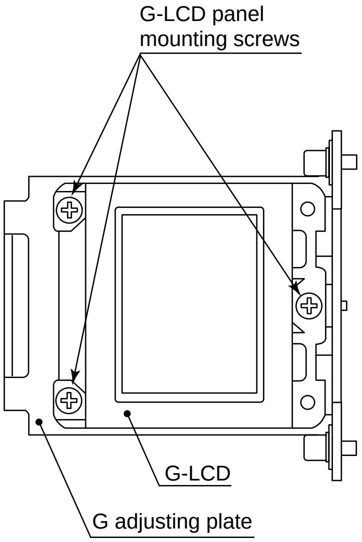
② This model is not equipped with the LCD image adjustment mechanism. This is because the dichroic prism is used for image formation. When the LCD panels all get into the best focus, the images are almost completely converged.

Convergence and Focus Adjustments Mechanism

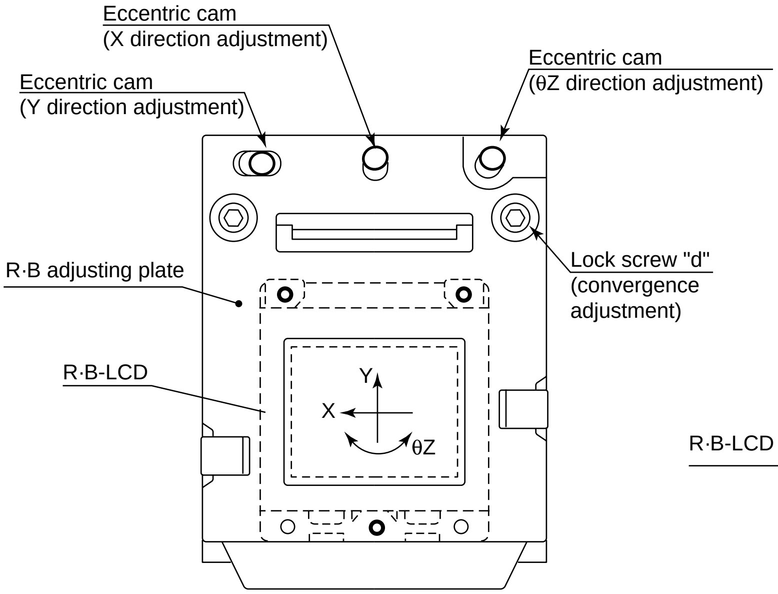
TOP VIEW


R-LCD
Lock screw "a"
Notch and hole "b"
(Use an eccentric screwdriver.)
G-LCD
X
θY
Z
Notch and hole "a"
(Use an eccentric screwdriver.)
Lock screw "b"
(θY direction)
FRONT
Notch and hole "c"
(Use on eccentric screwdriver.)
B-LCD
Z
X
θY
Lock screws "c"
Notch and hole "c"
(Use an eccentric screwdriver.)

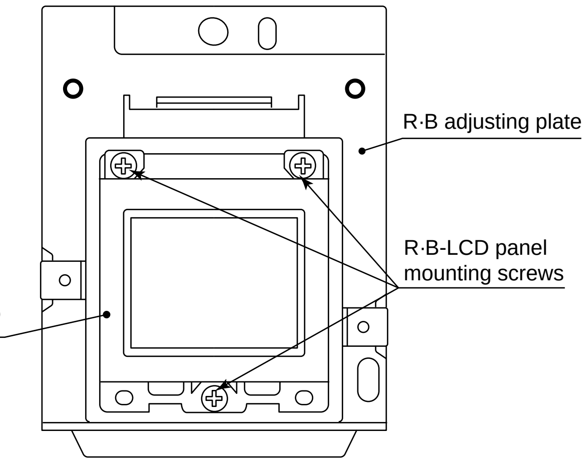
SIDE VIEW


G-LCD panel mounting screws
G-LCD
G adjusting plate

SIDE VIEW (from inside)


Eccentric cam
(X direction adjustment)
Eccentric cam
(θZ direction adjustment)
Eccentric cam
(Y direction adjustment)
Lock screw "d"
(convergence adjustment)
R·B adjusting plate
R·B-LCD
Y
X
θZ

SIDE VIEW (from outside)


R·B adjusting plate
R·B-LCD panel mounting screws
R·B-LCD

Convergence and Focus Adjustments at a Glance

Adjustment directions

Adjustment	Direction	Definition	Direction of LCD panel
Convergence	X direction		LCD right and left
	Y direction		LCD top and bottom
	θZ direction	Rotation around Z axis	LCD turning axis
Focus	Z direction		LCD optical axis
	θX direction	Rotation around X axis	LCD top-to-bottom flapping
	θY direction	Rotation around Y axis	LCD right-to-left flapping

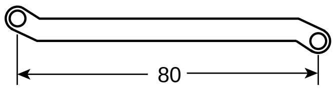
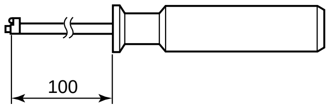
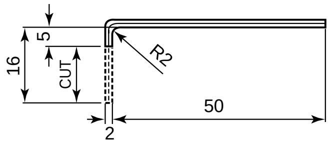
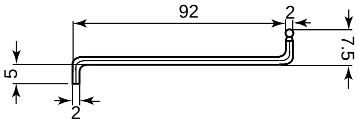
Convergence and Focus Adjustment for the Optical Mechanism

Colour	Adjustment	Direction	Movement	Position	Adjusting tool	Lock screw	Tightening tool
R/B colours	Convergence	X direction	±0.8mm	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
		Y direction	±0.8mm	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
		θZ direction	±1°	Eccentric cam	Eccentric cam adjusting wrench	d	Hex wrench
	Focus	Z direction	±0.8mm	Notch and hole "a" & "c"	Eccentric screwdriver	a, c	Phillips screwdriver, *Hex wrench
		θX direction	±1°	Notch and hole "a" & "c"		a, c	
		θY direction	±1°	Notch and hole "b" & "c"		b, c	
G colour	Focus	Z direction	±0.2mm	Same as for R and B colours			
		θX direction	±1°				
		θY direction	±1°				

Focus Adjustments the Other Way

Lock screw	Position	Related direction
a	Notch and hole "a"	Z and θX directions
b	Notch and hole "b"	θY direction
c	Notch and hole "c"	Z, θX and θY directions

Convergence and Focus Adjusting and Tightening Tools

Tool	Specific or General	Tool code	Configuration
Eccentric cam adjusting wrench	Specific	9DASPN-XGNV1U	
Eccentric screwdriver	Specific	9EQDRiVER-NV1A	
Hex wrench	General (redesigned)	9EQLNC-XGNV1U	
		9EQLNC-XGNV4U	
Phillips screwdriver	General	—	For M2.6 pan-head machine screw
***Hex wrench**	General	—	Preferably use a 70 mm or longer screwdriver (with a handle).

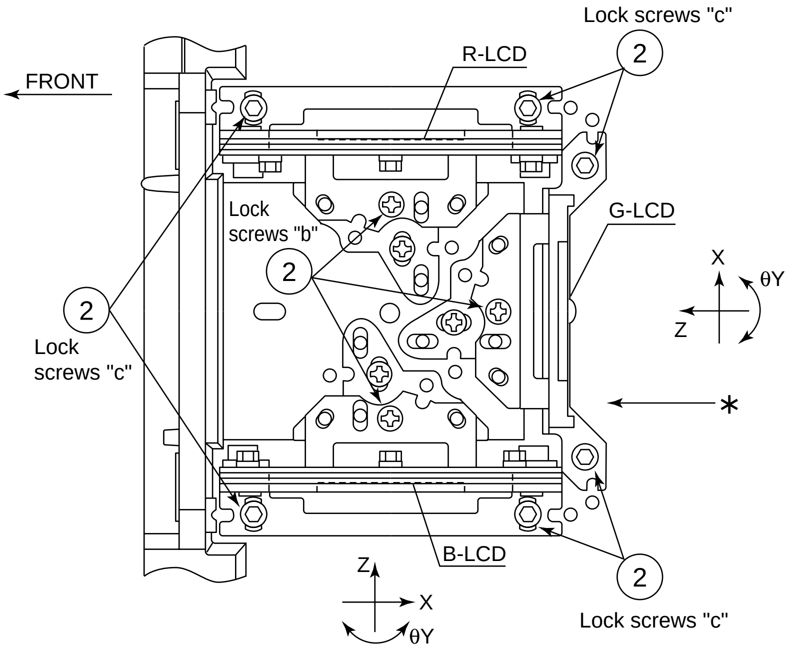
Replacing the LCDs

With the top cabinet removed

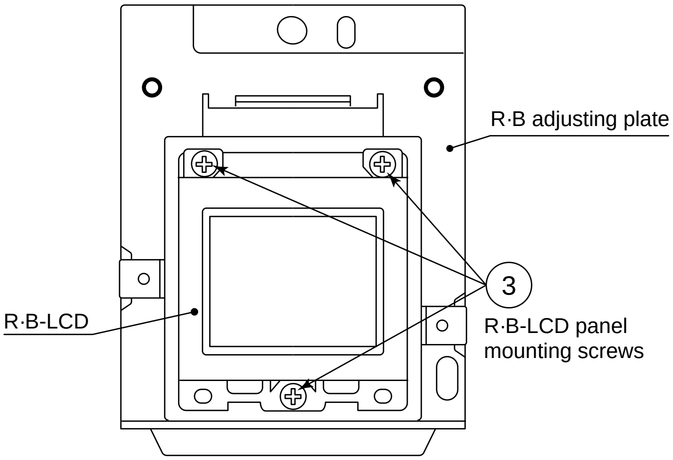
(1) Disconnect the LCD flat cable from the output PWB connector.
(2) Remove the lock screws "b" and "c". Detach the R/B adjusting plate or the G adjusting plate together with the LCD panel.
(3) Separate the LCD panel from the adjusting plate.
(4) Mount a new LCD panel in the reverse order of the above steps (1), (2) and (3).

∗ Readjust the convergence and focus. Note that the G LCD panel needs no convergence adjustment and has a small adjustment range in the Z direction.

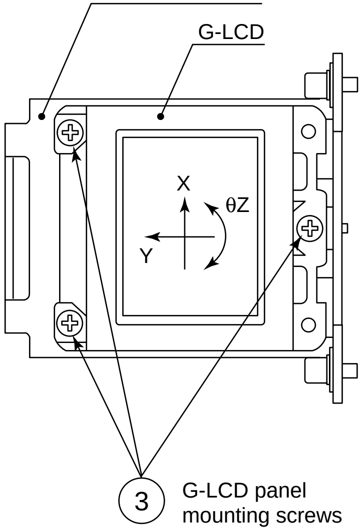
TOP VIEW


Lock screws "c"
2
R-LCD
FRONT
Lock
screws "b"
2
G-LCD
X
θY
Z
2
Lock
screws "c"
∗
B-LCD
Z
X
θY
2
Lock screws "c"

SIDE VIEW


R·B adjusting plate
R·B-LCD
3
R·B-LCD panel
mounting screws

SIDE VIEW

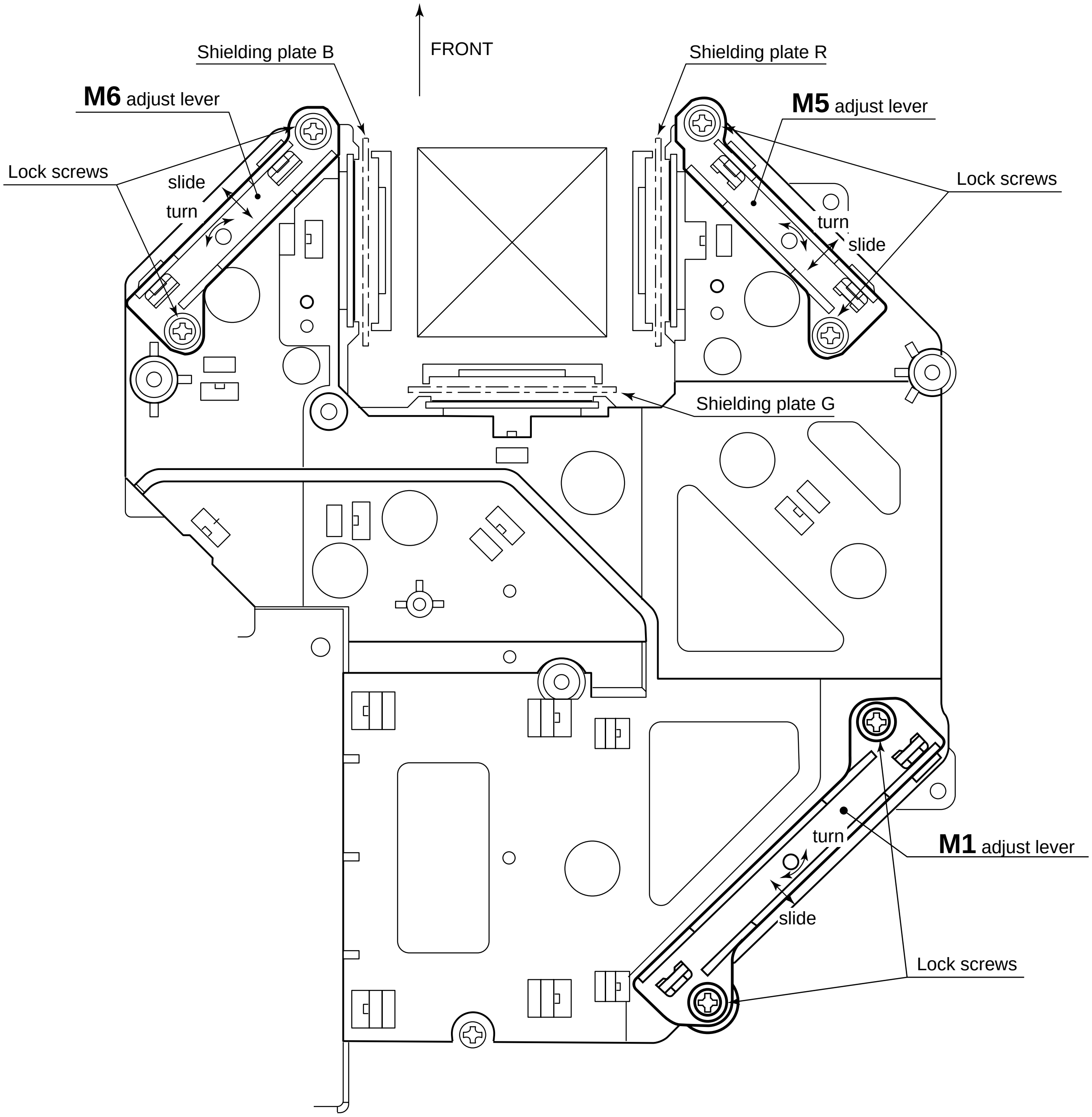

G adjusting plate
G-LCD
X
θZ
Y
3
G-LCD panel
mounting screws

Adjusting the optical axis of the mirrors (M1, M5 and M6)

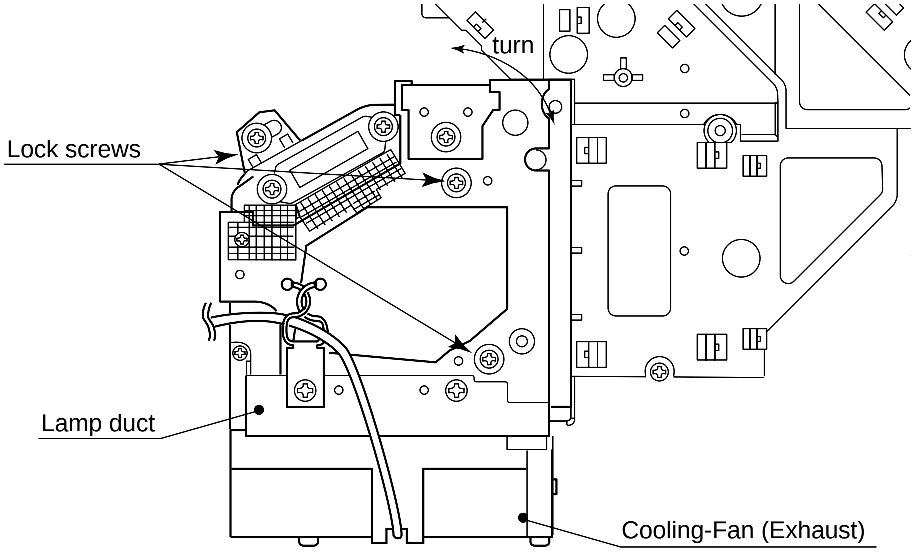
The optical axis must be readjusted if an eclipse happens with the R. G or B mirrors. Generally speaking, this adjustment is needed when any of the internal optical components has been replaced.

Adjustment procedure required when any of the panels has been replaced or the convergence has been adjusted

(1) Disconnect the flat cables of all the LCD panels.
(2) Let the lamp light up.
(3) To adjust the G mirror, shield the R and B mirrors with shielding plates (You can use a business card or the like to block the light).
(4) Loosen the lock screw of the M1 adjust lever.
(5) Looking at the G image on the screen, turn or slide the M1 adjust lever until the eclipse on the screen disappears. Tighten up the screw.
(6) To adjust the R mirror, shield the G and B mirrors and adjust the M5 adjust lever. For the B mirror, shield the R and G mirrors and adjust the M6 adjust lever.
(Take the same steps 4 and 5 above.)
(7) Remove all the shielding plates to have a white image.
Make sure there is no eclipse.

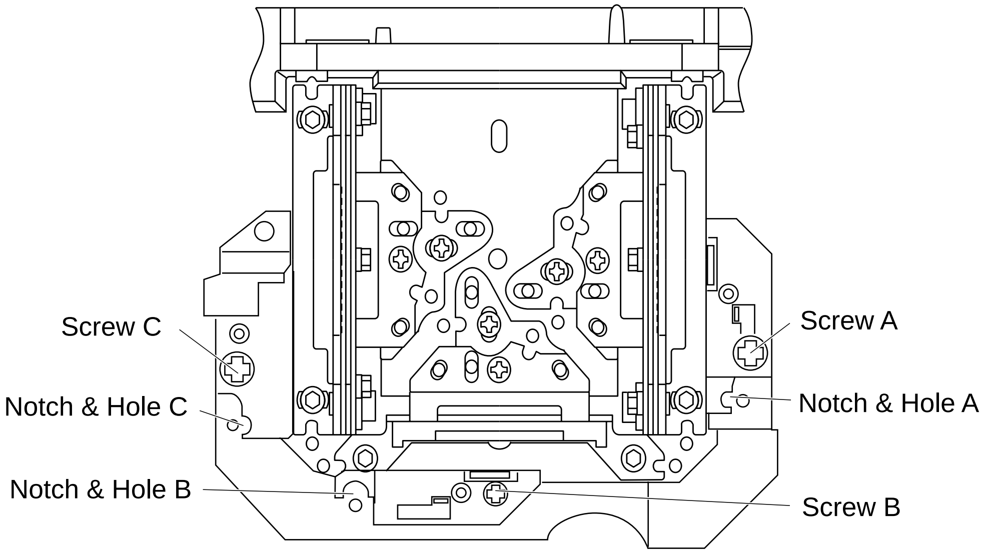

Shielding plate B
FRONT
Shielding plate R
M6 adjust lever
M5 adjust lever
Lock screws
slide
turn
Lock screws
turn
slide
Shielding plate G
turn
M1 adjust lever
slide
Lock screws

Adjusting the lamp duct.



Adjustment procedure reguired when the lamp has been replaced and you can see ununifomity. (Case of Right and Left have ununifomity on the screen)
(1) Let the lamp light up.
(2) Receive the white pattern signal at 100%.
(3) Loosen the lock screws of the lamp duct.
(4) Looking at the white image on the screen, turn the lamp duct until the uniformity comes to best point on the screen.
(5) Tighten the lock screws of the lamp duct. (Tighten torque is 10±2kg·cm)

Adjustment of incident polarizing plate. (Carry it out when removing polarizingplate.)



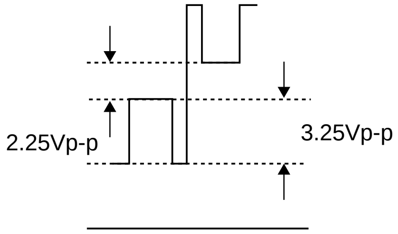
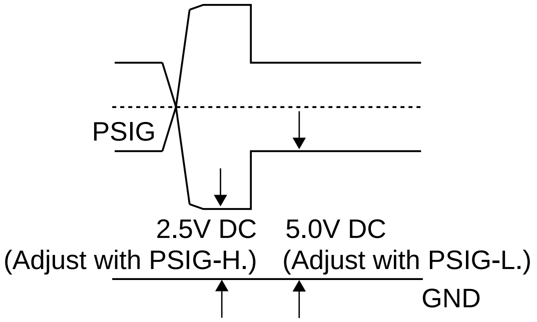
(From the condition that the top cabinet opens.)
1.Remove a screws, earth plate from the output PWB.
2.Extend each FFC cable of R, G, B (Using QCNW-4852CEZZ:Extension Cable 32-pin LCD Panel-Output) and try so that it can move a PWB so that it can see the part which adjusts polarizing plate from the top.
3.Turn on the power, and indicate a black screen on the screen.
<Adjusting the G-LCD incident polarizing plate.>
4.Move an output PWB so that you can see screw B and notch & hole B.
5.Put an eccentric screwdriver in notch & hole B, and loosen screw B.
(Loosen it too much, and be careful that the screw doesn't come off.)
6.Adjust with the eccentric screwdriver in the place where a brightness is the lowest, and tighten screw B, and fix it with seeing a black screen.
Adjust it with screw C and notch & hole A when adjusting incident polarizing plate of R-LCD.
Adjust it with screw C and notch & hole C when adjusting incident polarizing plate of B-LCD.
❋Adjust it in the turn of Green, Red, Blue with 3 place of RGB as well when adjusting it.
❋Be careful not to make it short-circuit when moving an output PWB.

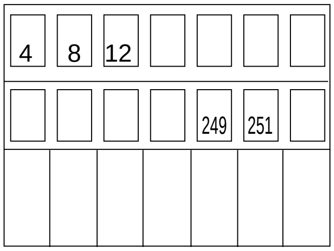
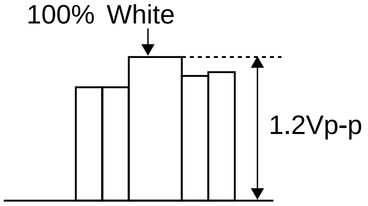
Colour	adjustment	Adjustment direction	Amount of adjustment.	Adjustment place form	Ajdustment jig	Fixing screw	Fixed screw tool.
Red	polarizing plate adjustment	θ direction	±1°	Notch & Hole A	eccentric screwdriver	A	Phillips screwdriver
Green	polarizing plate adjustment	θ direction	±1°	Notch & Hole B	eccentric screwdriver	B	Phillips screwdriver
Blue	polarizing plate adjustment	θ direction	±1°	Notch & Hole C	eccentric screwdriver	C	Phillips screwdriver

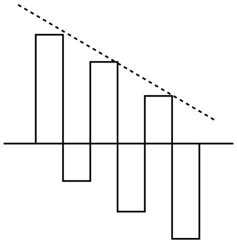
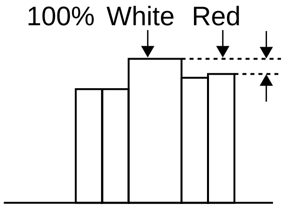
ELECTRICAL ADJUSTMENT

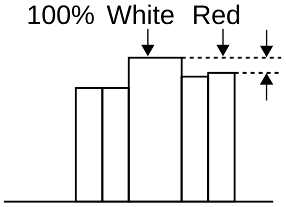
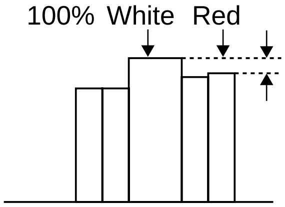
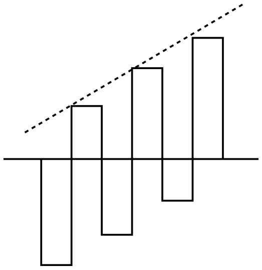
Hook up a signal generator, or a DOSV or Mac personal computer to the projector in order to feed the signals specified in the Adjusting conditions.

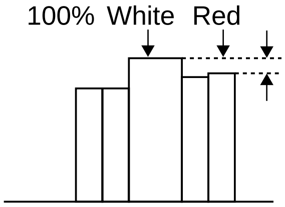
No.	Adjusting point	Adjusting conditions	Adjusting procedure
1	**EEPROM initialization**	1. Turn on the power (make sure the lamp lights up) and warm up the unit for 15 minutes.	● Make the following settings: Press S2601 to call up the process mode and execute S2 and S4 in the SSS menu. Now the system, with the PC board not included, is initialized. Do not execute S1 because otherwise the PC board will be initialized. To adjust the PC board, follow the instruction in "Adjusting the PC Interface". (See page 32)
2	**3.3V power supply adjustment**	1. Turn on the power. 2. Connect the digital voltmeter to TP7201.	● Adjust VR704 so that the voltmeter should read 3.300 V ±100 mV.
3	**2.6V power supply adjustment**	1. Turn on the power. 2. Connect the digital voltmeter to TP7202.	● Adjust R705 so that the voltmeter should read 2.600 V ±50 mV.
4	**R drive**	1. Make the following choice. Group : A/D 2. Feed the 100% red-only signal. Make the following choice. Group : A/D Subject : R-D	● Using the control switches or the remote controller buttons, adjust the data so that the signal becomes bit-less (noise).
5	**B drive**	1. Feed the 100% blue-only signal. Make the following choice. Group : A/D Subject : B-D	● Using the control switches or the remote controller buttons, adjust the data so that the signal becomes bit-less (noise).
6	**G drive**	1. Feed the 100% green-only signal. Make the following choice. Group : A/D Subject : G-D	● Using the control switches or the remote controller buttons, adjust the data so that the signal becomes bit-less (noise).

No.	Adjusting point	Adjusting conditions	Adjusting procedure
7	**RGB 1 system black level signal amplitude (odd-numbered)**	1. Make the following choice: Group : OUTPUT 1 Subject : R1-BLK R1-GAIN For green, choose the subjects G1-BLK and G1-GAIN. For blue, choose the subjects B1-BLK and B1-GAIN. 2. Connect the oscilloscope to TP1101 for red. TP1201 for green TP1301 for blue	● Choose the subject R1-GAIN and adjust the signal amplitude to 3.25 ±0.03 Vp-p using the control switches or the remote controller buttons. ● Next, choose the subject R1-BLK and adjust the white peak level to 2.25Vp-p ±0.02V.  ● Make the same adjustments for green and blue.
8	**Offset voltage adjustment**	1. Feed the 50% R, G, B pattern signal. 2. Select the following subject. Group : OUTPUT2 Subject : R-OFFSET Select the subjects G-OFFSET and B-OFFSET for the green and blue colours, respectively.	● Using the control switches or the remoto controller buttons, adjust the every 6 dots vertical lienes are same brightness.
9	**P SIGNAL**	1. Connect the oscilloscope to TP1102 for red. TP1202 for green TP1302 for blue. 2. Make the following choice: Group : OUTPUT 2 Subject : PSIG-H : PSIG-L	● Adjust the PSIG waveform to the one shown below.  PSIG 2.5V DC (Adjust with PSIG-H.) 5.0V DC (Adjust with PSIG-L.) GND ● For the green and blue colours, make sure their waveforms are similar to that of the red colour.
10	**Sample-and-hold pulse phase RCK-PHASE GCK-PHASE BCK-PHASE**	1. Feed the XGA mode 75-Hz black signal. 2. Make the following choice: Group : OUTPUT 3 Subject : SH-PHASE (Have the standard level at 8.) Fix the RCK-, GCK- and BCK-PHASE settings all to 8.	● Using the control switches or the remote controller buttons, make sure that the "OUTPUT 3" characters are not blurry and there is no ghost image. If such blur or ghost occurs, finely adjust the setting in the range of 7~9.

No.	Adjusting point	Adjusting conditions	Adjusting procedure
11	**RGB counter-voltage adjustment**	1. Feed the black-and-red (25%) stripe signal (XGA). 2. Make the following choice: Group : OUTPUT 3 Subject : RC (R)	● Using the control switches or the remote controller buttons, adjust the data in order to minimize the flicker. ● Make the same adjustment for BC (B) and GC (G). ● See if the image is equally adjusted at the center and both sides of the screen. If not, readjust the setting to have the image equal at right and left.
12	**RGB gradation regeneration adjustment**	1. Feed the INFO COM. gray scale and colour bar pattern. 2. Make the following choice: Group : OUTPUT 1 Subject : G1-BLK	● Make sure that scale (white side) to No.251 and scale (black side) to No.8 can be seen. ● If white scale can't be seen properly, readjust with G1-BLK. 
13	**RGB white balance**	1. Feed the 32-step gray scale signal (XGA 60Hz). Group : OUTPUT 1 Subject : R1-BLK (R) R1-GAIN(R) B1-BLK (B) B1-GAIN(B)	● Adjust the R1-BLK and B1-BLK data for the black balance on the gray scale. Then adjust the R1-GAIN and B1-GAIN data for the center-to-white balance on the gray scale. (Adjust to the best point.)
14	**Horizontal center**	1. Feed the NTSC monoscope pattern signal. 2. Group : VIDEO 2 Subject : N358-DLY (0) N443-DLY (0) PAL-DLY (3) SECAM-DLY (0) Make sure the settings are as above. 3. Group : VIDEO 1 Subject : NTSC-H	● Using the control switches or the remote controller buttons, adjust the data to have the same overscan.
15	**Video picture adjustment**	1. Feed the split colour bar signal. Group : VIDEO 1 Subject : PICTURE 2. Connect the oscilloscope between pin (1) of P801 and GND.	● Using the control switches or the remote controller buttons, adjust the black-to-white (100%) level difference to 1.2 ±0.03 Vp-p. 

No.	Adjusting point	Adjusting conditions	Adjusting procedure
16	**Video OFFSET adjustment**	1. Feed the split colour bar signal. Group : VIDEO 2 Subject : VBOS(R) VROS(G) VROS(B) 2. Press the control switch or mute button of R/C. (GAMMA compensation is set up for the process.).	● Using the control switches or the remote controller buttons, adjust the black portion of the signal becomes bit-less.
17	**Video AGC**	1. Feed the split colour bar signal. Group : VIDEO 1 Subject : AGC 2. Press the control switch or the remote control's mute button (to set the gamma correction to the process setting).	● Using the control switches or the remote controller buttons, adjust the 100% portion of white signal becomes bit-less .
18	**Video brightness adjustment**	1. Feed the baseband (split colour bar) signal. Group : VIDEO 1 Subject : BRIGHT 2. Press the control switch or the remote control's mute button (to set the gamma correction to the process setting).	● Using the control switches or the remote controller buttons, adjust the setting until the black signal becomes bit-less.
19	**Tint**	1. Feed the split colour bar signal. Group : VIDEO 1 Subject : TINT 2. Connect the oscilloscope to pin (4) of P801.	● Using the control switches or the remote controller buttons, adjust the data to have the -(B-Y) waveform downhill straight. 
20	**NTSC colour saturation level**	1. Feed the split colour bar signal. Group : VIDEO 1 Subject : N-COLOR 2. Connect the oscilloscope to pin (1) of P801.	● Using the control switches or the remote controller buttons, adjust the difference between the 100% white portion and the red portion to 0.10 ±0.02 Vp-p. (same as 100% white) 

No.	Adjusting point	Adjusting conditions	Adjusting procedure
21	**PAL colour saturation level**	1. Feed the PAL colour bar signal. Group : VIDEO 1 Subject : P-COLOR 2. Connect the oscilloscope to pin (1) of P801.	● Using the control switches or the remote controller buttons, adjust the difference between the 100% white portion and the red portion to 0.20 ±0.01 Vp-p. 
22	**SECAM colour saturation level**	1. Feed the SECAM colour bar signal. Group : VIDEO 1 Subject : S-COLOR 2. Connect the oscilloscope to pin (1) of P801.	● Using the control switches or the remote controller buttons, adjust the data to have a level difference of 0.20 ±0.01 Vp-p between the 100% white portion and the red portion. 
23	**Video white balance**	1. Feed the NTSC monoscope pattern signal Group : VIDEO 2 Subject : R1-GAIN B1-GAIN	● Using the control switches or the remote controller buttons, adjust so that the entire screen looks evenly colourless.
24	**DVD Contrast**	1. Feed the colour bar signal of the 480I component signal to the BNC G(Y) input terminal. 2. Select the following subject. Group : DVD Subject : CONTRAST	● Using the control switches or the remote controller buttons, adjust the 100% portion of white signal becomes bit-less .
25	**DVD Tint**	1. Feed the colour bar signal of the 480I component signal to the BNC Y, Pb and Pr input terminals. Feed the sync signal only for the Y signal. 2. Select the following subject. Group : DVD Subject : TINT 3. Connect the oscilloscope to pin (2) of P801.	● Using the control switch or the button on the remote controller, adjust the B-Y waveform to form a straight slope. 

No.	Adjusting point	Adjusting conditions	Adjusting procedure
26	**DVD Colour**	1. Feed the colour bar signal of the 480I component signal to the BNC G(Y) input terminal. 2. Select the following subject. Group : DVD Subject : COLOR 3. Connect the oscilloscope to pin (1) of P801.	● Adjust the level difference between the 100% white and red portions to 0.13 ±0.02 Vp-p. 
27	**DVD input system panel signal amplitude adjustment**	1. Feed the 10 step signal to G(Y) terminal of BNC terminal. 2. Select the following subject. Group : DVD Subject : R1-GAIN B1-GAIN 3. Connect the oscilloscope toTP1101(R) and TP1201 (G) 4. Connect the oscilloscope toTP1301(B) and TP1201 (G)	● Choose R1-GAIN, and adjust so that the amplitude of the R signal and the amplitude of the G signal may become the same. ● As for blue as well, adjust it in the same way.
28	**DVD White balance adjuustment**	1. Feed the NTSC monoscope signal to G(Y) input terminal of the BNC terminal. 2. Select the following subject. Group : DVD Subject : R1-BLK B1-BLK	● Adjust so that a white balance may become the best condition by using the control switch or buttons of the R/C.
29	**Colour irregularity correction position**	1. Feed the gray-only RGB colour signal. (XGA 60Hz) 2. Find the colour irregularity position on the screen. 3. Group : NOKO Subject : NOKO-RL	● If the colour is irregular, adjust the NOKO-RL data. Set it to R for the right-hand colour irregularity and to L for the left-hand one. ● If there is no colour irregularity, turn off the saw-tooth correction using SW4201.
30	**Colour irregularity correction gain (in case of colourirregularity)**	1. Feed the gray-only RGB colour signal. (XGA 60Hz)	● Adjust R4215 to minimize the right-hand and left-hand colour irregularity.

<table>
<tr><th>No.</th><th>Adjusting point</th><th>Adjusting conditions</th><th>Adjusting procedure</th></tr>
<tr><td>31</td><td>Checking and readjustment of white balance</td><td>1.The adjustment condition of each item is as mentioned in the following.
RGB input:Refer to No.13
VIDEO input:Refer to No.23
DVD input:Refer to No.28
2. A digital television does compensation adjustment by using "CR-OFFSET" or "CB-OFFSET".</td><td>● Make sure that a white balance is the best condition.
● Make this adjustment after finishing the above adjustment.</td></tr>
<tr><td>32</td><td>Colour system performance check</td><td>1. Receive the colour bar signal.</td><td>● In the process mode and select L1. Check the colour and tint.</td></tr>
<tr><td>33</td><td>Video system performance check</td><td>1. Receive the monoscope pattern signal.</td><td>● In the process mode and select L2. Check the picture, brightness and sharpness.</td></tr>
<tr><td>34</td><td>Audio system performance check</td><td></td><td>● In the process mode nad select L3. Check the bass, treble and balance.</td></tr>
<tr><td>35</td><td>RGB performance check</td><td>1. Receive the RGB signal.</td><td>● In the process mode and select L4. Check the picture, brightness, red, blue, clock, phase, horizontal position, and vertical position.</td></tr>
<tr><td>36</td><td>Off-timer performance check</td><td></td><td>● In the process mode and select OFF. Make sure that the off-timer starts with “5” (minutes), counts down each minute in 1 second, and turns off the set at “0”.</td></tr>
<tr><td>37</td><td>Thermistor performance check</td><td>1. Heat the thermistor using a dryer.</td><td>● Make sure the “TEMP” is displayed.</td></tr>
<tr><td>38</td><td>Automatic synchronization</td><td>1. Receive the PHASE check pattern signal.</td><td>● Call the VGA/S-VGA/XGA mode and make sure that the clock, phase, horizontal and vertical positions can be automatically adjusted.</td></tr>
<tr><td>39</td><td>Keystone correction performance check</td><td></td><td>● Make sure the keystone correction functions well.</td></tr>
<tr><td>40</td><td>Factory settings</td><td></td><td>● Make the following settings.
<table>
<tr><th>Process adjustment</th><th>Remote controller setting</th></tr>
<tr><td>S3</td><td>“Factory setting 3”</td></tr>
</table></td></tr>
</table>

ADJUSTING THE PC INTERFACE (CPCi-0047CE12. PC I/F Unit)

1.The initialization of the set.

1) Press the S2601 switch to go to the process mode.
2) Perform S1 of the SSS menu. (S1 initializes only a PC I/F board. Don't perform S2 because adjustment data except for the PC board are initialized.
3) Make sure that version of the SPECIAL program (VER.XXX) of the menu is the latest.

2.Adjusting the level.

2-1. Setting the oscilloscope

Set the range to DC 1 V/div and 5μ/div.

2-2. Connecting the PC Interface

1) Fit the PC I/F in position and make sure the CON2, CON3 and CON4 connectors are all tight in place.
2) Connect the cable between the ANALOG OUTPUT (PC computer) and the DSUB connector (INPUT1 of the proejctor).
3) Set the projector's input selector to the INPUT1 position. Make sure the Dsub/BNC selector is at the Dsub position.
4) Set the PC computer in the XGA mode (1024 x 768, 60 Hz, 32-step scale). Adjust the output amplitude to 700 mVp-p (terminated with 75 ohms) for the black-to-white portions.
5) Turn on the power.

2-3. Adjusting and checking the level

1) Press the S2601 switch to go to the process mode.
2) Set the SH-PHASE on the OUTPUT3 menu to 8. (Make the characters on screen clear and crisp.)
3) Adjust black level of red signal with R-BRIGHT of the A/D in a place to become bit omission condition.
4) Adjust black level of blue signal with B-BRIGHT of the A/D in a place to become bit omission condition.
5) Adjust black level of green signal with M-BRIGHT of the A/D in a place to become bit omission condition.

2-4. Adjusting the DTV

1) Set the switch to the BNC input terminal of INPUT1
2) Set up a signal generator in 1080i 60Hz mode white signal.Output amplitude makes space between black - white 700mVp-p (75ohm terminated) .
3) Connect the analog output terminal of the signal generator and BNC connector (the INPUT1 terminal of projector) with the cable.
4) Adjust black level of blue signal with B-BRIGHT of the DTV menu in a place to become bit omission condition.
5) Set up the level of the signal output in 53%, and adjust with CB-OFFSET of the DTV in a place to become bit omission condition.
6) Set up the level of the signal output in 53%, and adjust with CR-OFFSET of the DTV in a place to become bit omission condition.
7) After adjusting the CB-OFFSET and CR-OFFSET, 6 point adds G-BRIGHT.
8) Press the S2601, to comes out of the process mode.

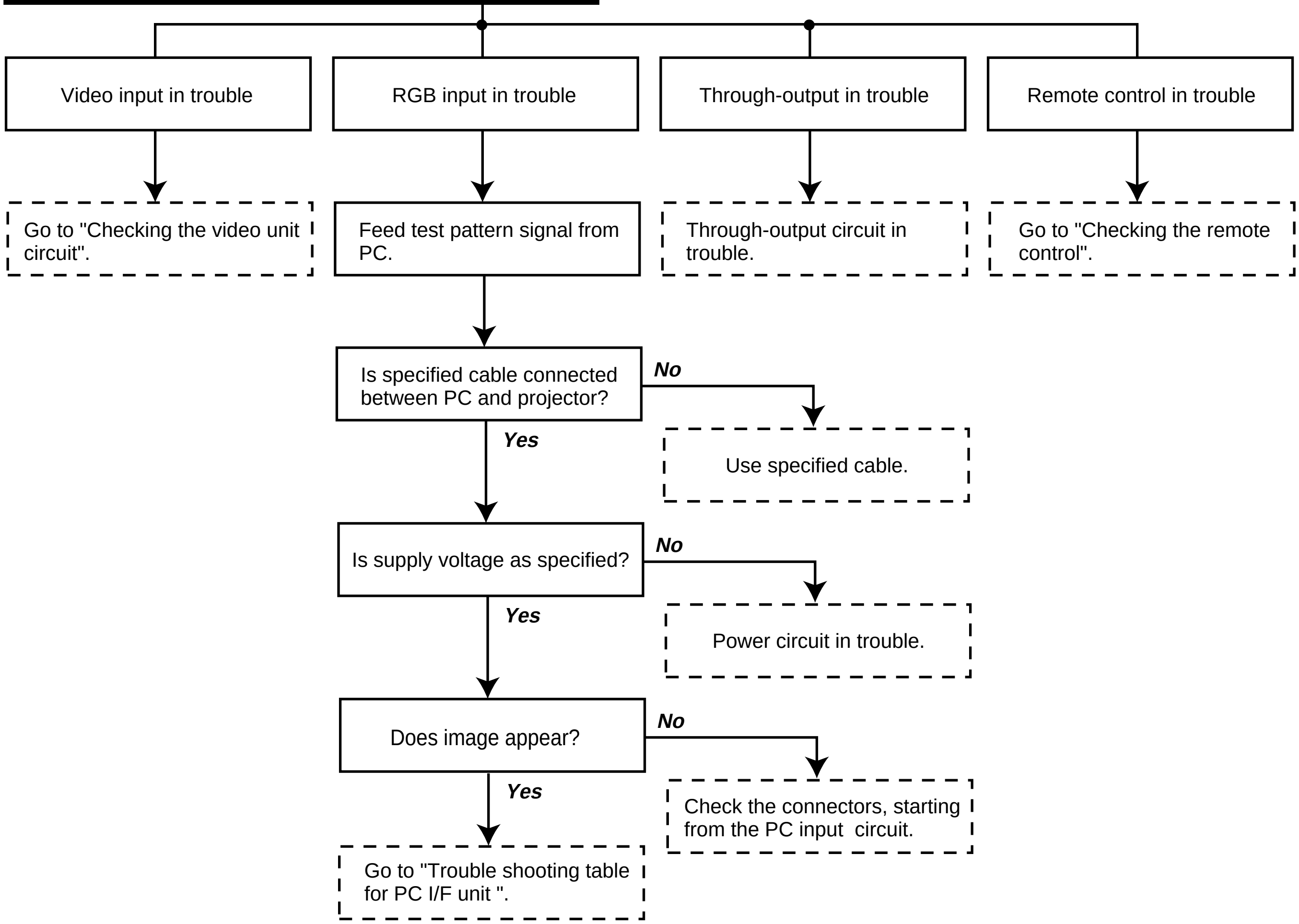
Servicing precautions

If the convergence gets out of spec in servicing the set, call the process mode and select the following group and subjects.

Group: NOKO
Subject: R-CNV-H, R-CNV-V
G-CNV-H, G-CNV-V
B-CNV-H, B-CNV-V
(H and V are for horizontal and vertical adjustments, respectively.)
Adjust the above settings to the range of 0 to 4.

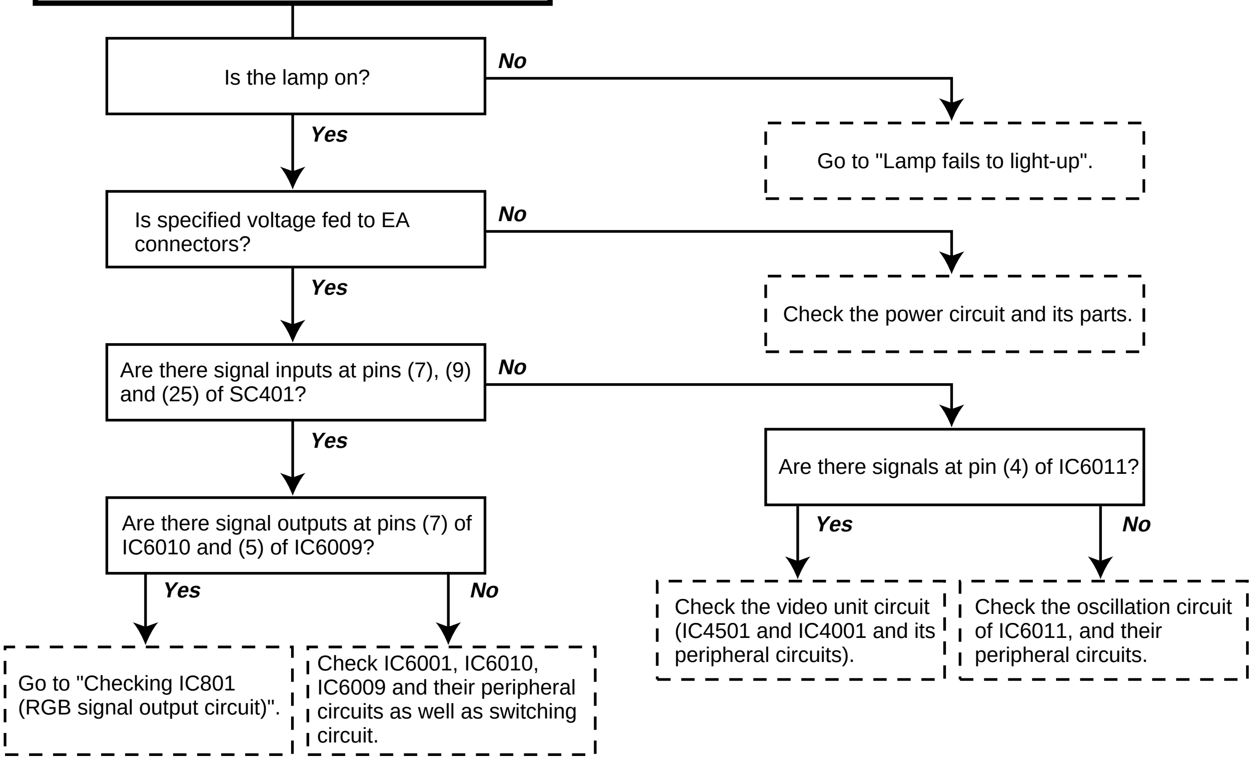
TROUBLE SHOOTING TABLE

Checking the PWB performance

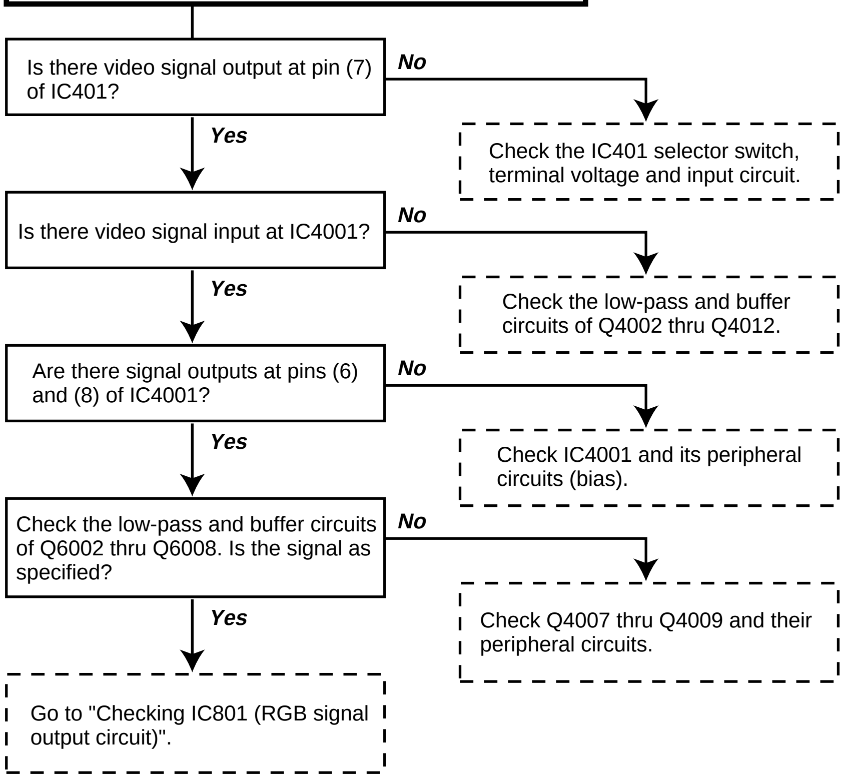

Video input in trouble
RGB input in trouble
Through-output in trouble
Remote control in trouble
Go to "Checking the video unit circuit".
Feed test pattern signal from PC.
Through-output circuit in trouble.
Go to "Checking the remote control".
Is specified cable connected between PC and projector?
No
Use specified cable.
Yes
Is supply voltage as specified?
No
Power circuit in trouble.
Yes
Does image appear?
No
Check the connectors, starting from the PC input circuit.
Yes
Go to "Trouble shooting table for PC I/F unit ".

TROUBLE SHOOTING TABLE (Continued)

Checking the video system

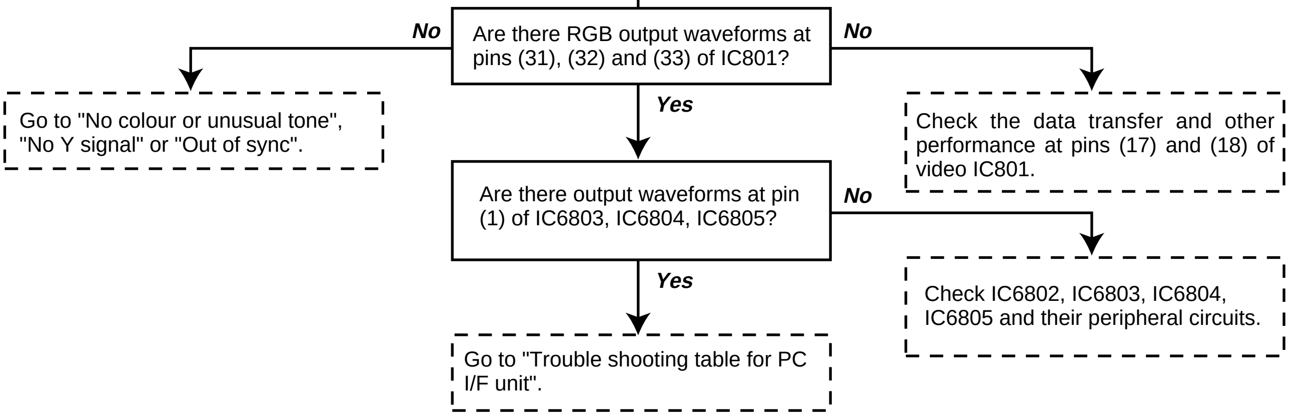

Is the lamp on?
No
Go to "Lamp fails to light-up".
Yes
Is specified voltage fed to EA connectors?
No
Check the power circuit and its parts.
Yes
Are there signal inputs at pins (7), (9) and (25) of SC401?
No
Are there signals at pin (4) of IC6011?
Yes
No
Check the video unit circuit (IC4501 and IC4001 and its peripheral circuits).
Check the oscillation circuit of IC6011, and their peripheral circuits.
Yes
Are there signal outputs at pins (7) of IC6010 and (5) of IC6009?
Yes
No
Go to "Checking IC801 (RGB signal output circuit)".
Check IC6001, IC6010, IC6009 and their peripheral circuits as well as switching circuit.

Checking the video unit circuit

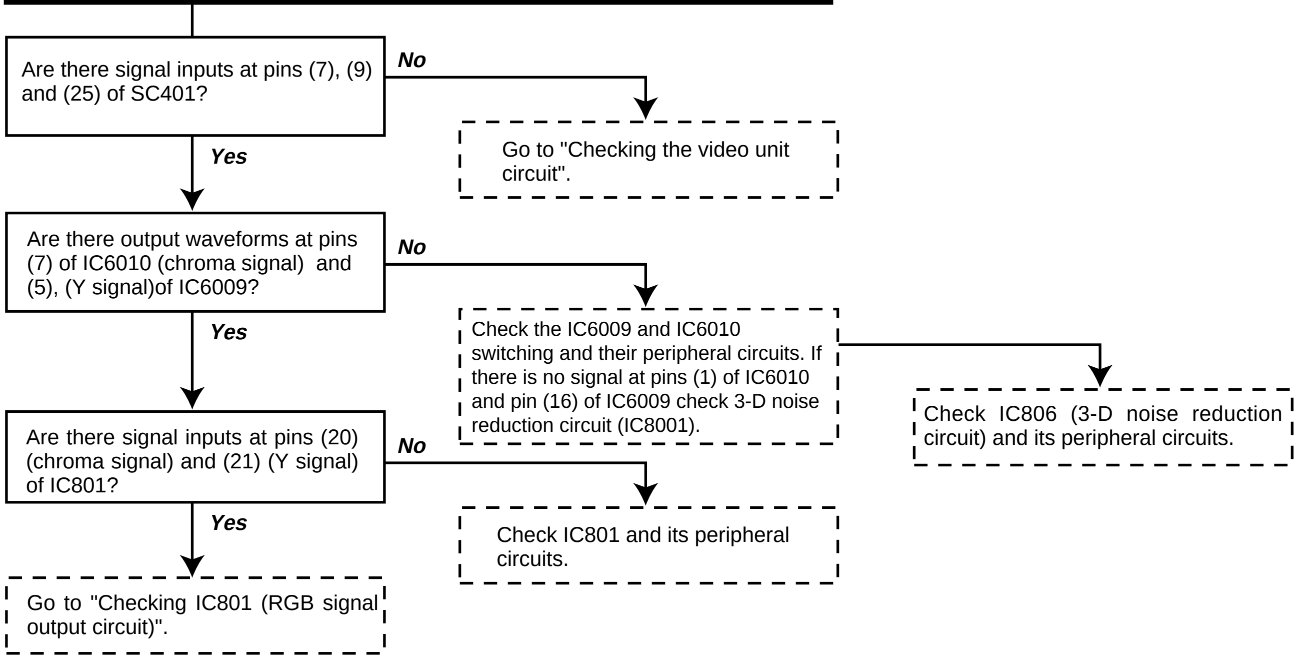

Is there video signal output at pin (7) of IC401?
No
Check the IC401 selector switch, terminal voltage and input circuit.
Yes
Is there video signal input at IC4001?
No
Check the low-pass and buffer circuits of Q4002 thru Q4012.
Yes
Are there signal outputs at pins (6) and (8) of IC4001?
No
Check IC4001 and its peripheral circuits (bias).
Yes
Check the low-pass and buffer circuits of Q6002 thru Q6008. Is the signal as specified?
No
Check Q4007 thru Q4009 and their peripheral circuits.
Yes
Go to "Checking IC801 (RGB signal output circuit)".

TROUBLE SHOOTING TABLE (Continued)

Checking IC801 (RGB signal output circuit)

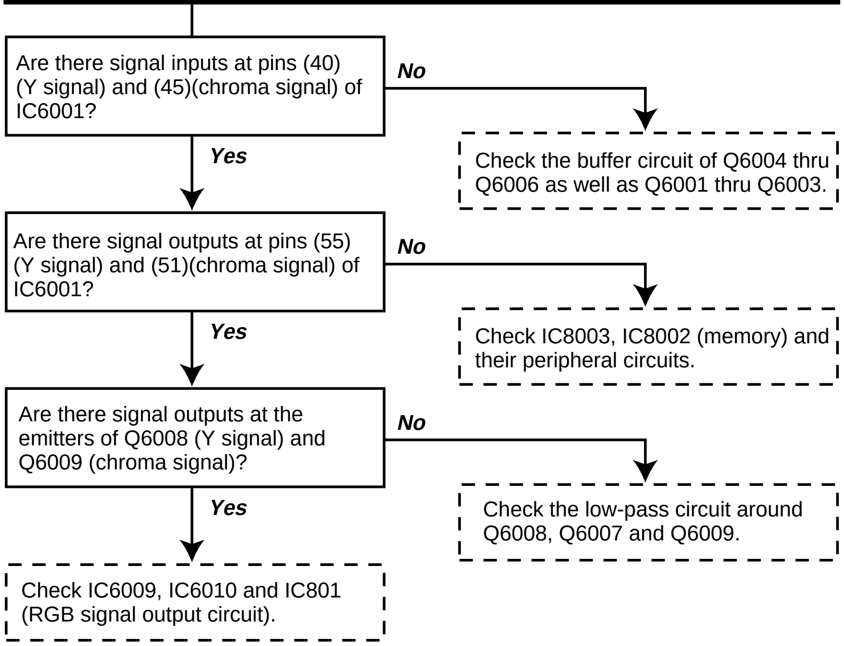

Are there RGB output waveforms at pins (31), (32) and (33) of IC801?
No
Go to "No colour or unusual tone", "No Y signal" or "Out of sync".
No
Check the data transfer and other performance at pins (17) and (18) of video IC801.
Yes
Are there output waveforms at pin (1) of IC6803, IC6804, IC6805?
No
Check IC6802, IC6803, IC6804, IC6805 and their peripheral circuits.
Yes
Go to "Trouble shooting table for PC I/F unit".

Checking the chroma and Y signals of IC801 (RGB signal output)


Are there signal inputs at pins (7), (9) and (25) of SC401?
No
Go to "Checking the video unit circuit".
Yes
Are there output waveforms at pins (7) of IC6010 (chroma signal) and (5), (Y signal)of IC6009?
No
Check the IC6009 and IC6010 switching and their peripheral circuits. If there is no signal at pins (1) of IC6010 and pin (16) of IC6009 check 3-D noise reduction circuit (IC8001).
Check IC806 (3-D noise reduction circuit) and its peripheral circuits.
Yes
Are there signal inputs at pins (20) (chroma signal) and (21) (Y signal) of IC801?
No
Check IC801 and its peripheral circuits.
Yes
Go to "Checking IC801 (RGB signal output circuit)".

TROUBLE SHOOTING TABLE (Continued)

Checking IC6001 (3-D noise reduction circuit) and its peripheral circuits



Are there signal inputs at pins (40) (Y signal) and (45)(chroma signal) of IC6001?

Check the buffer circuit of Q6004 thru Q6006 as well as Q6001 thru Q6003.

Are there signal outputs at pins (55) (Y signal) and (51)(chroma signal) of IC6001?

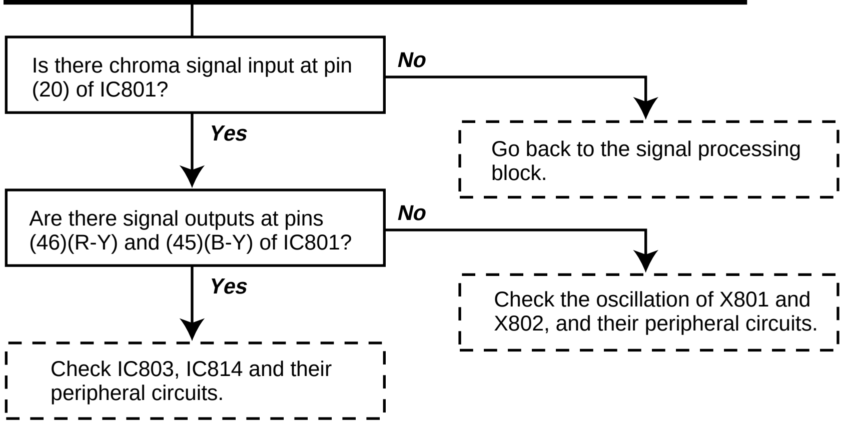
Check IC8003, IC8002 (memory) and their peripheral circuits.

Are there signal outputs at the emitters of Q6008 (Y signal) and Q6009 (chroma signal)?

Check the low-pass circuit around Q6008, Q6007 and Q6009.

Check IC6009, IC6010 and IC801 (RGB signal output circuit).

No colour or unusual tone (NTSC, PAL)



Is there chroma signal input at pin (20) of IC801?

Go back to the signal processing block.

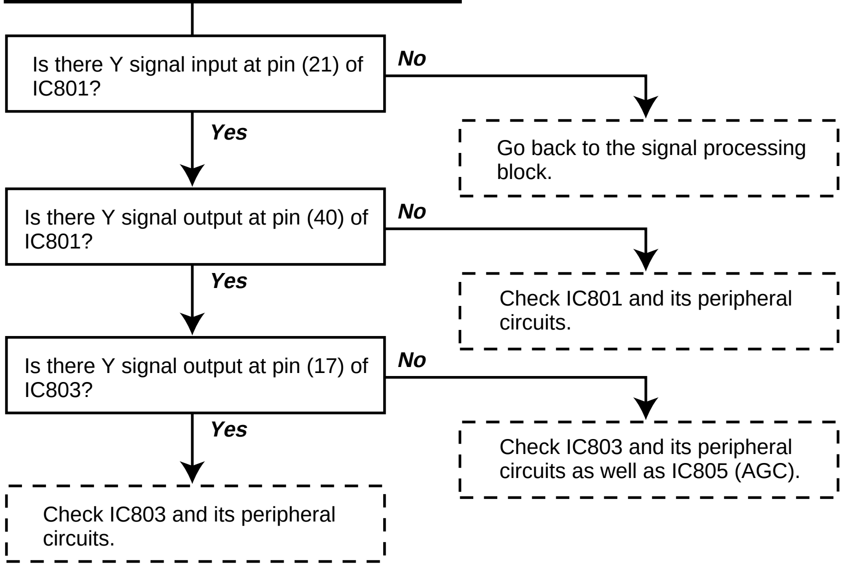
Are there signal outputs at pins (46)(R-Y) and (45)(B-Y) of IC801?

Check the oscillation of X801 and X802, and their peripheral circuits.

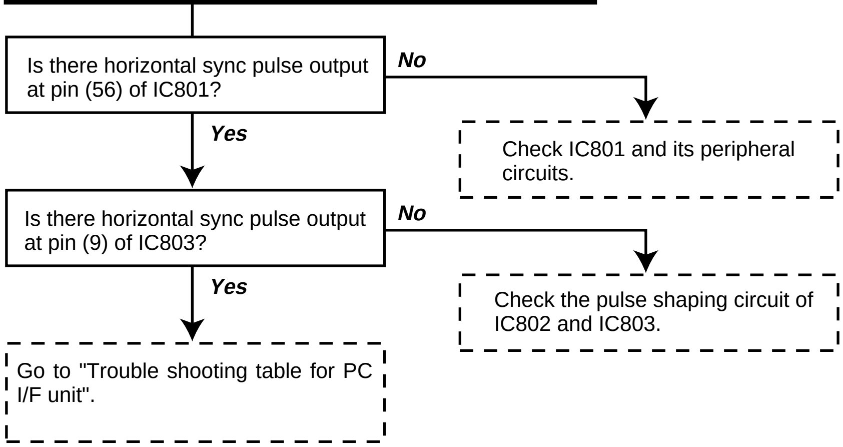
Check IC803, IC814 and their peripheral circuits.

TROUBLE SHOOTING TABLE (Continued)

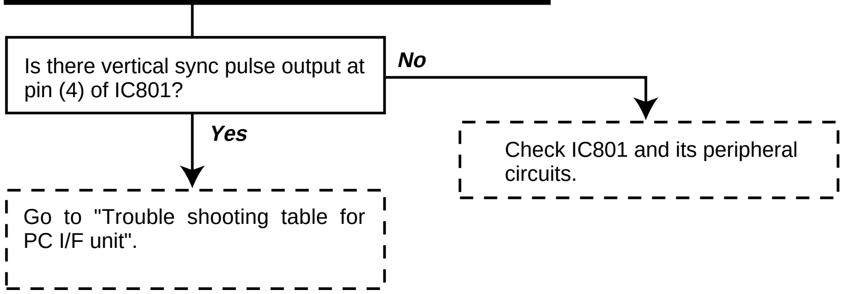
No or unusual Y signal


Is there Y signal input at pin (21) of IC801?
No
Go back to the signal processing block.
Yes
Is there Y signal output at pin (40) of IC801?
No
Check IC801 and its peripheral circuits.
Yes
Is there Y signal output at pin (17) of IC803?
No
Check IC803 and its peripheral circuits as well as IC805 (AGC).
Yes
Check IC803 and its peripheral circuits.

No or unusual horizontal sync

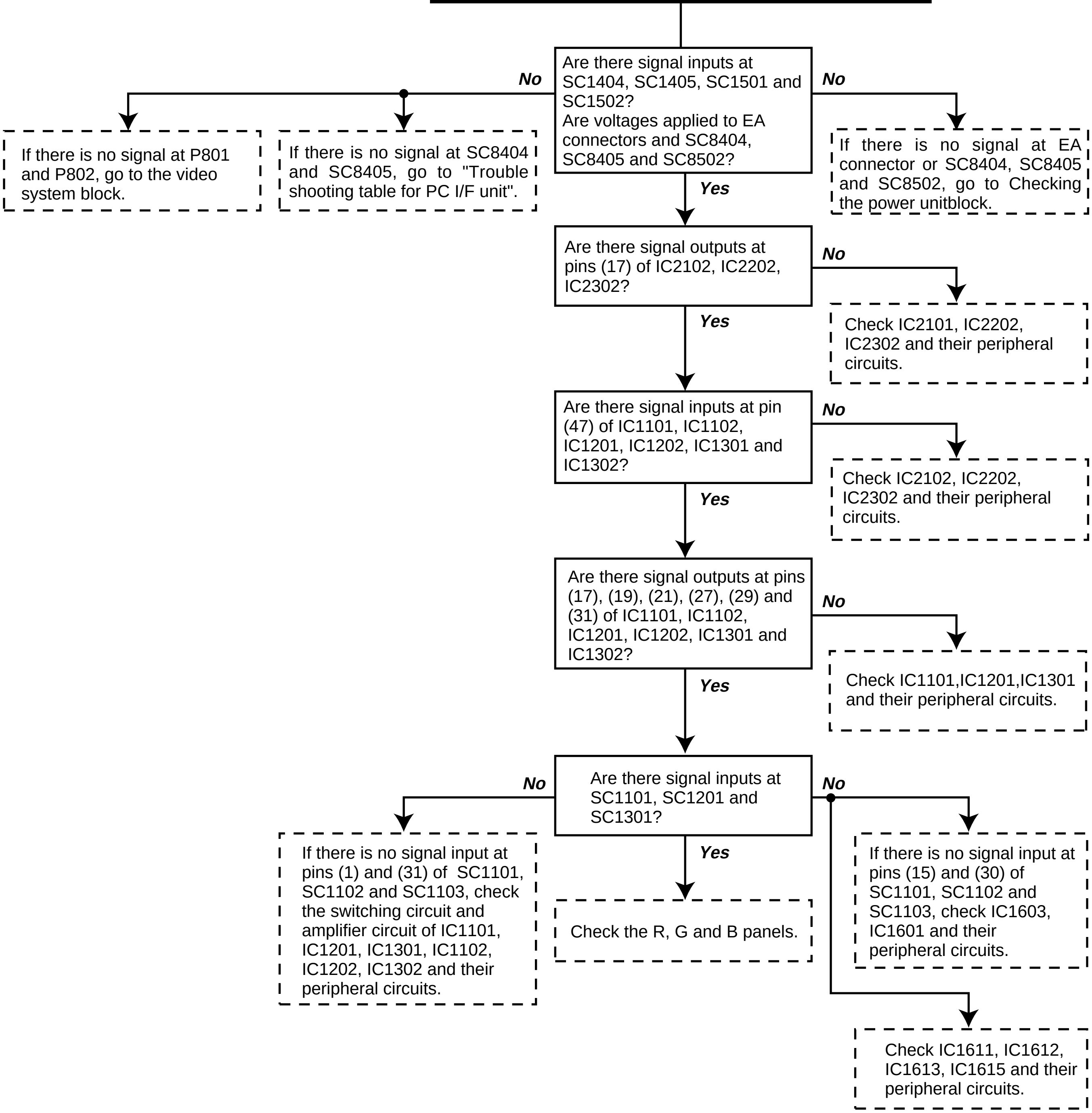

Is there horizontal sync pulse output at pin (56) of IC801?
No
Check IC801 and its peripheral circuits.
Yes
Is there horizontal sync pulse output at pin (9) of IC803?
No
Check the pulse shaping circuit of IC802 and IC803.
Yes
Go to "Trouble shooting table for PC I/F unit".

No or unusual vertical sync


Is there vertical sync pulse output at pin (4) of IC801?
No
Check IC801 and its peripheral circuits.
Yes
Go to "Trouble shooting table for PC I/F unit".

TROUBLE SHOOTING TABLE (Continued)

Checking the output PWB unit



Are there signal inputs at SC1404, SC1405, SC1501 and SC1502?
Are voltages applied to EA connectors and SC8404, SC8405 and SC8502?

If there is no signal at P801 and P802, go to the video system block.

If there is no signal at SC8404 and SC8405, go to "Trouble shooting table for PC I/F unit".

If there is no signal at EA connector or SC8404, SC8405 and SC8502, go to Checking the power unitblock.

Are there signal outputs at pins (17) of IC2102, IC2202, IC2302?

Check IC2101, IC2202, IC2302 and their peripheral circuits.

Are there signal inputs at pin (47) of IC1101, IC1102, IC1201, IC1202, IC1301 and IC1302?

Check IC2102, IC2202, IC2302 and their peripheral circuits.

Are there signal outputs at pins (17), (19), (21), (27), (29) and (31) of IC1101, IC1102, IC1201, IC1202, IC1301 and IC1302?

Check IC1101,IC1201,IC1301 and their peripheral circuits.

Are there signal inputs at SC1101, SC1201 and SC1301?

If there is no signal input at pins (1) and (31) of SC1101, SC1102 and SC1103, check the switching circuit and amplifier circuit of IC1101, IC1201, IC1301, IC1102, IC1202, IC1302 and their peripheral circuits.

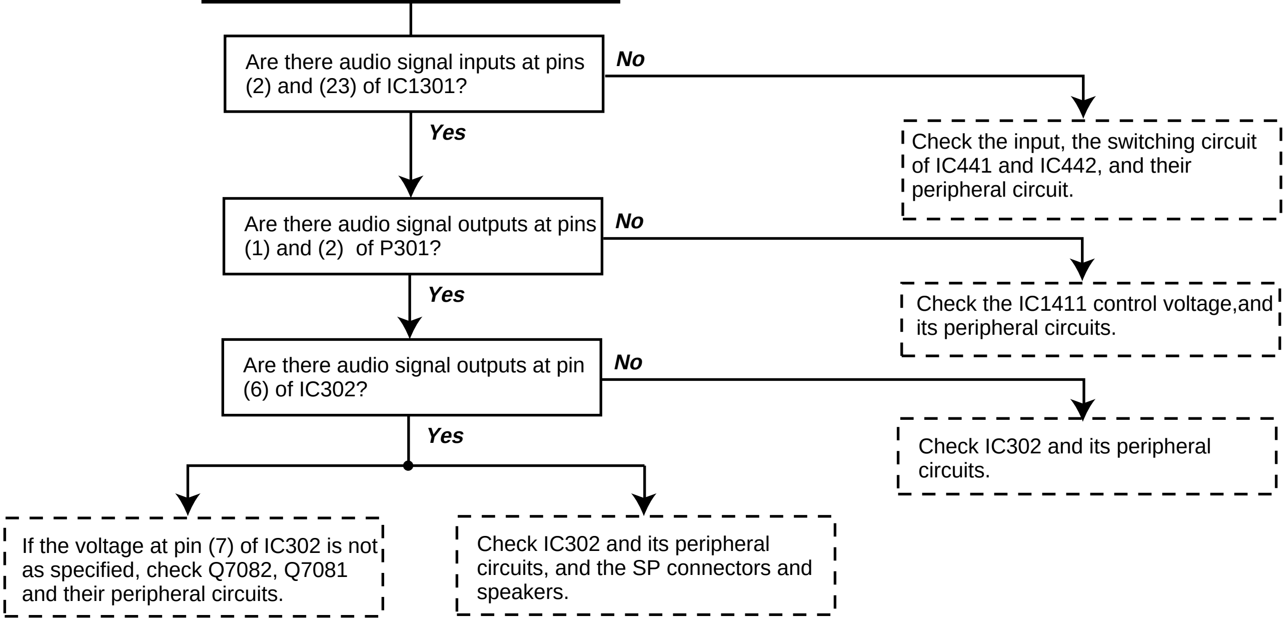
Check the R, G and B panels.

If there is no signal input at pins (15) and (30) of SC1101, SC1102 and SC1103, check IC1603, IC1601 and their peripheral circuits.

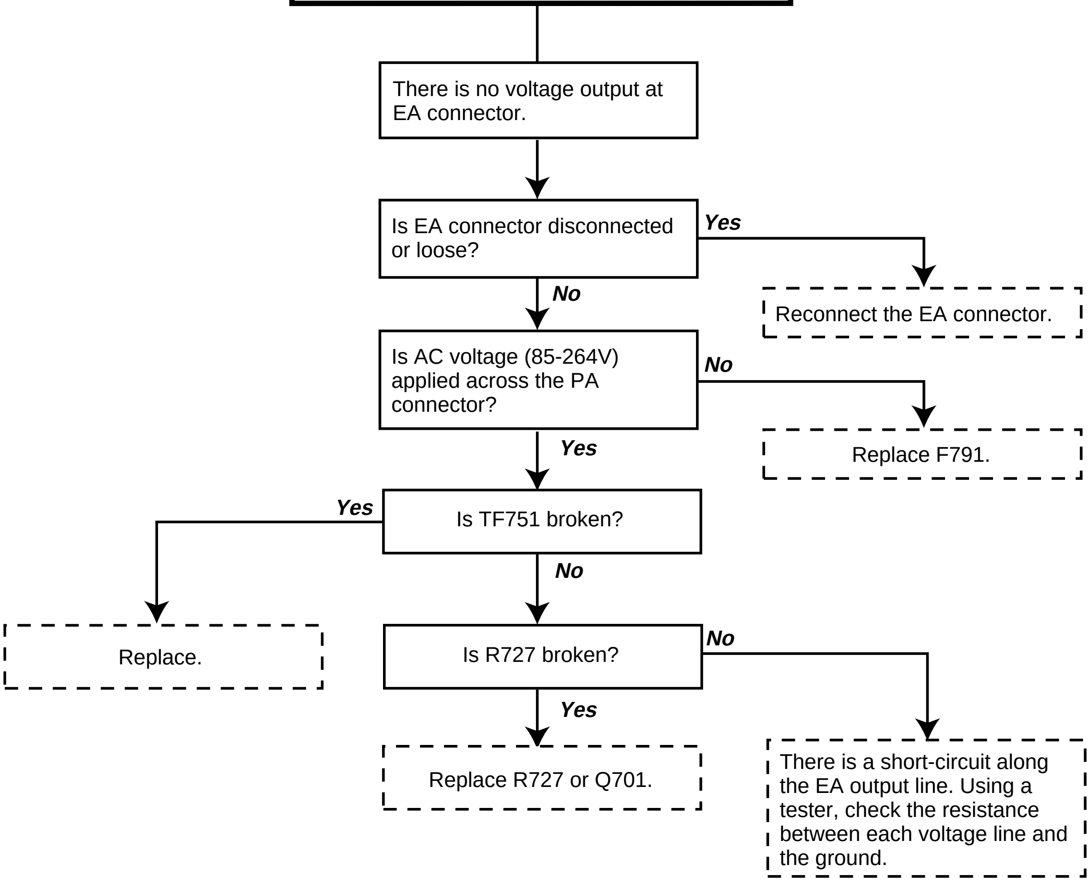
Check IC1611, IC1612, IC1613, IC1615 and their peripheral circuits.

TROUBLE SHOOTING TABLE (Continued)

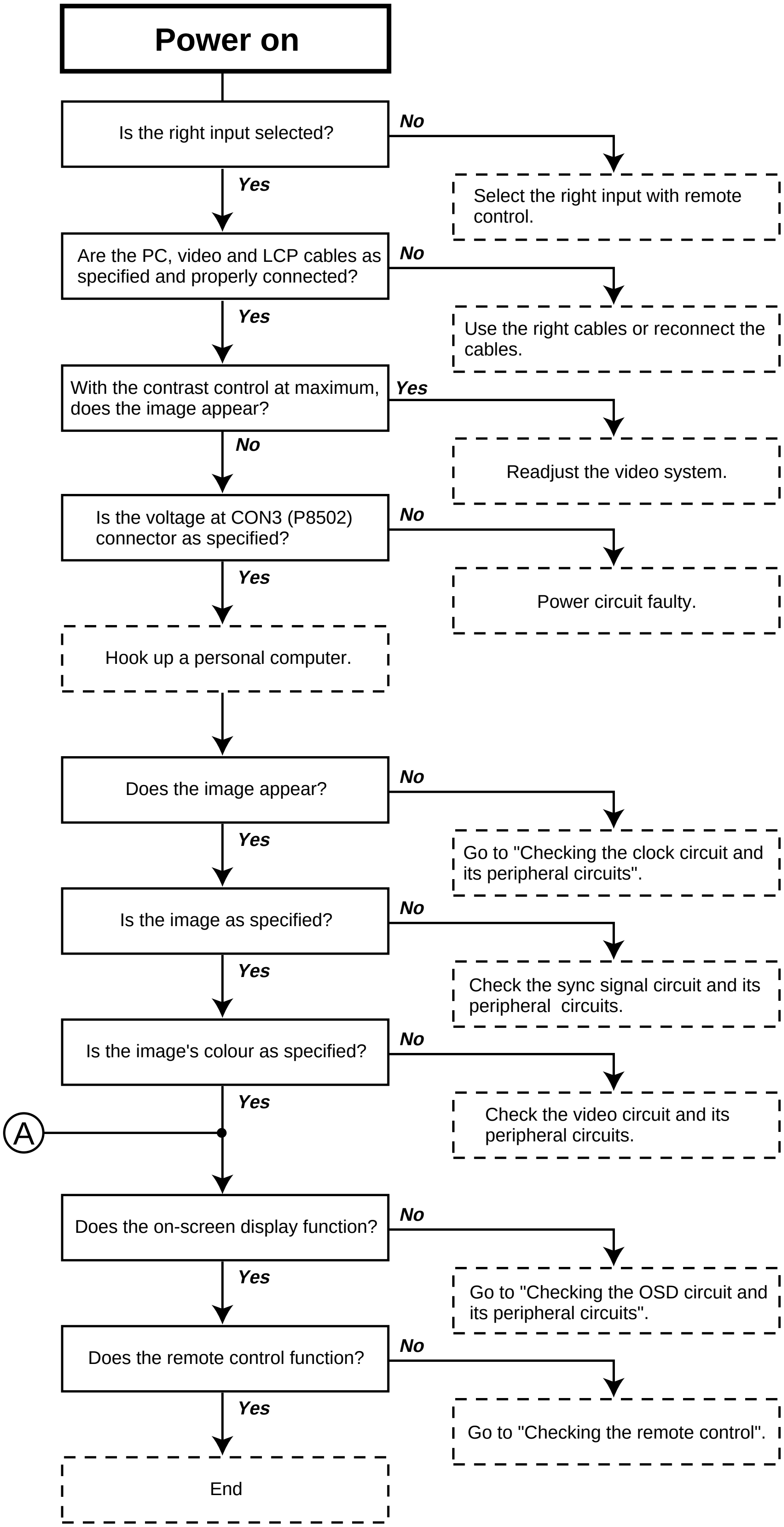
No audio output


Are there audio signal inputs at pins (2) and (23) of IC1301?
No
Check the input, the switching circuit of IC441 and IC442, and their peripheral circuit.
Yes
Are there audio signal outputs at pins (1) and (2) of P301?
No
Check the IC1411 control voltage,and its peripheral circuits.
Yes
Are there audio signal outputs at pin (6) of IC302?
No
Check IC302 and its peripheral circuits.
Yes
If the voltage at pin (7) of IC302 is not as specified, check Q7082, Q7081 and their peripheral circuits.
Check IC302 and its peripheral circuits, and the SP connectors and speakers.

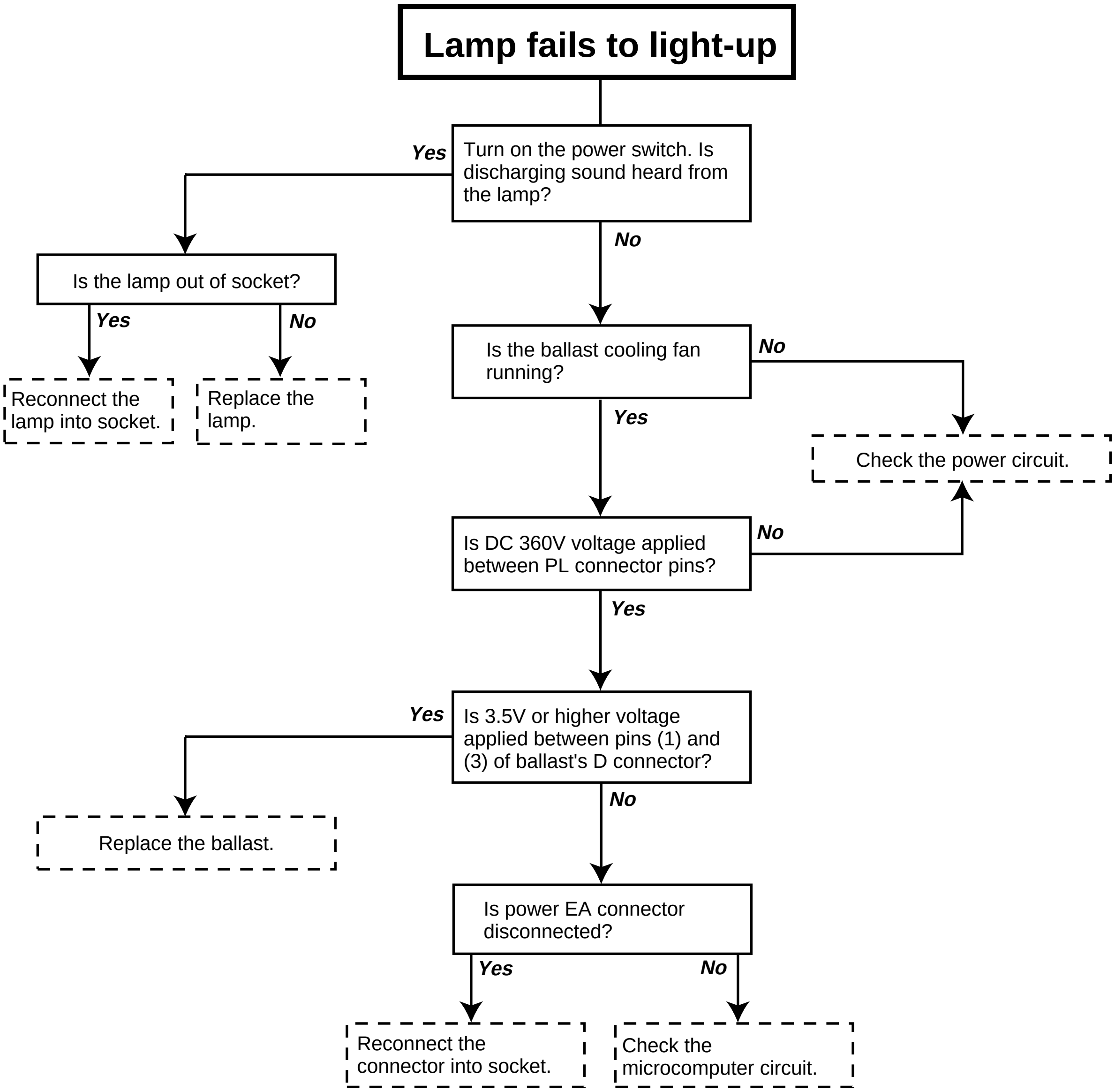
Checkig the Power Unit


There is no voltage output at EA connector.
Is EA connector disconnected or loose?
Yes
Reconnect the EA connector.
No
Is AC voltage (85-264V) applied across the PA connector?
No
Replace F791.
Yes
Is TF751 broken?
Yes
Replace.
No
Is R727 broken?
No
There is a short-circuit along the EA output line. Using a tester, check the resistance between each voltage line and the ground.
Yes
Replace R727 or Q701.

TROUBLE SHOOTING TABLE (Continued)

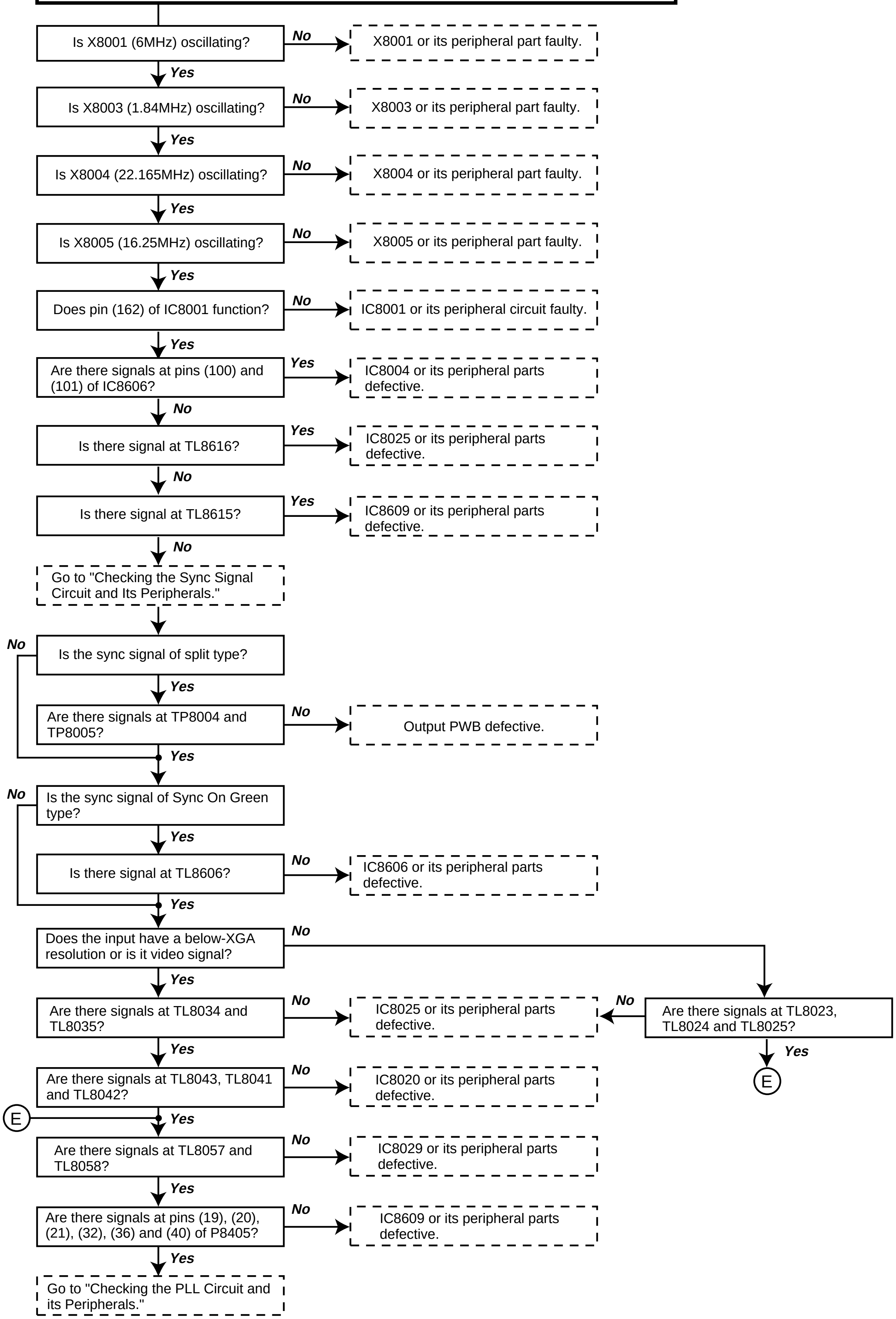

Power on
Is the right input selected?
No
Select the right input with remote control.
Yes
Are the PC, video and LCP cables as specified and properly connected?
No
Use the right cables or reconnect the cables.
Yes
With the contrast control at maximum, does the image appear?
Yes
Readjust the video system.
No
Is the voltage at CON3 (P8502) connector as specified?
No
Power circuit faulty.
Yes
Hook up a personal computer.
Does the image appear?
No
Go to "Checking the clock circuit and its peripheral circuits".
Yes
Is the image as specified?
No
Check the sync signal circuit and its peripheral circuits.
Yes
Is the image's colour as specified?
No
Check the video circuit and its peripheral circuits.
Yes
A
Does the on-screen display function?
No
Go to "Checking the OSD circuit and its peripheral circuits".
Yes
Does the remote control function?
No
Go to "Checking the remote control".
Yes
End

TROUBLE SHOOTING TABLE (Continued)


Lamp fails to light-up
Turn on the power switch. Is discharging sound heard from the lamp?
Yes
No
Is the lamp out of socket?
Yes
No
Reconnect the lamp into socket.
Replace the lamp.
Is the ballast cooling fan running?
No
Yes
Check the power circuit.
Is DC 360V voltage applied between PL connector pins?
No
Yes
Is 3.5V or higher voltage applied between pins (1) and (3) of ballast's D connector?
Yes
No
Replace the ballast.
Is power EA connector disconnected?
Yes
No
Reconnect the connector into socket.
Check the microcomputer circuit.

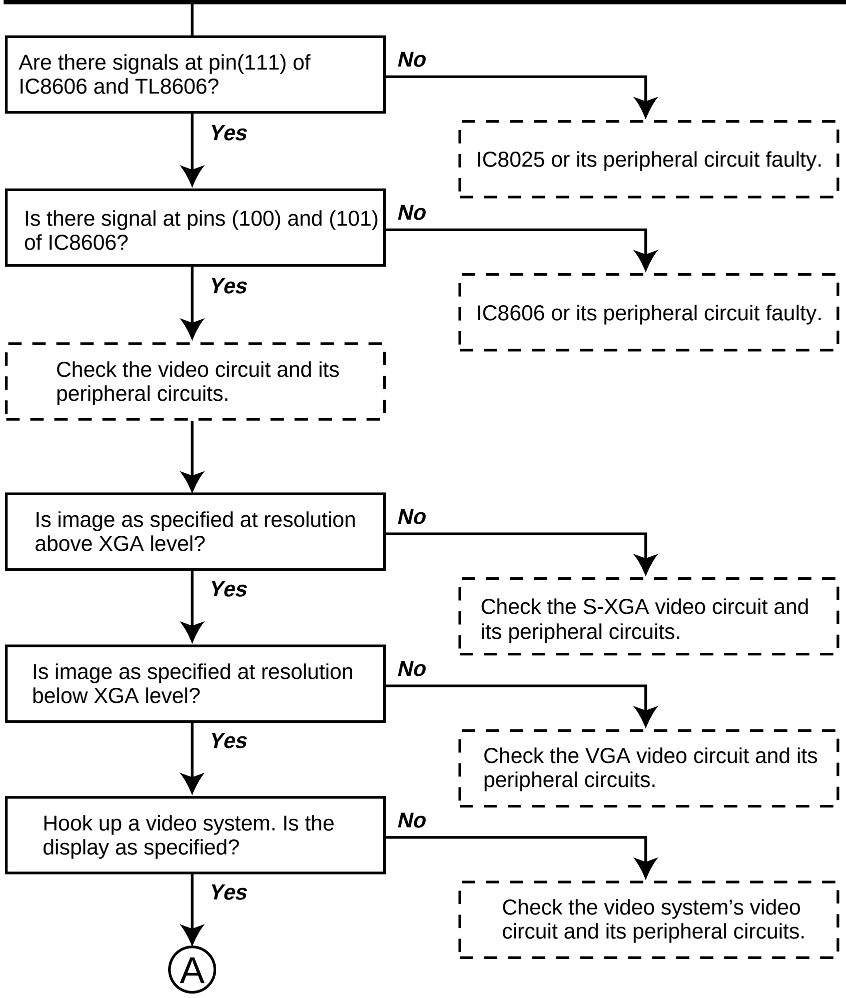
TROUBLE SHOOTING TABLE FOR PC I/F UNIT-1

Checking the clock circuit and its peripheral circuits

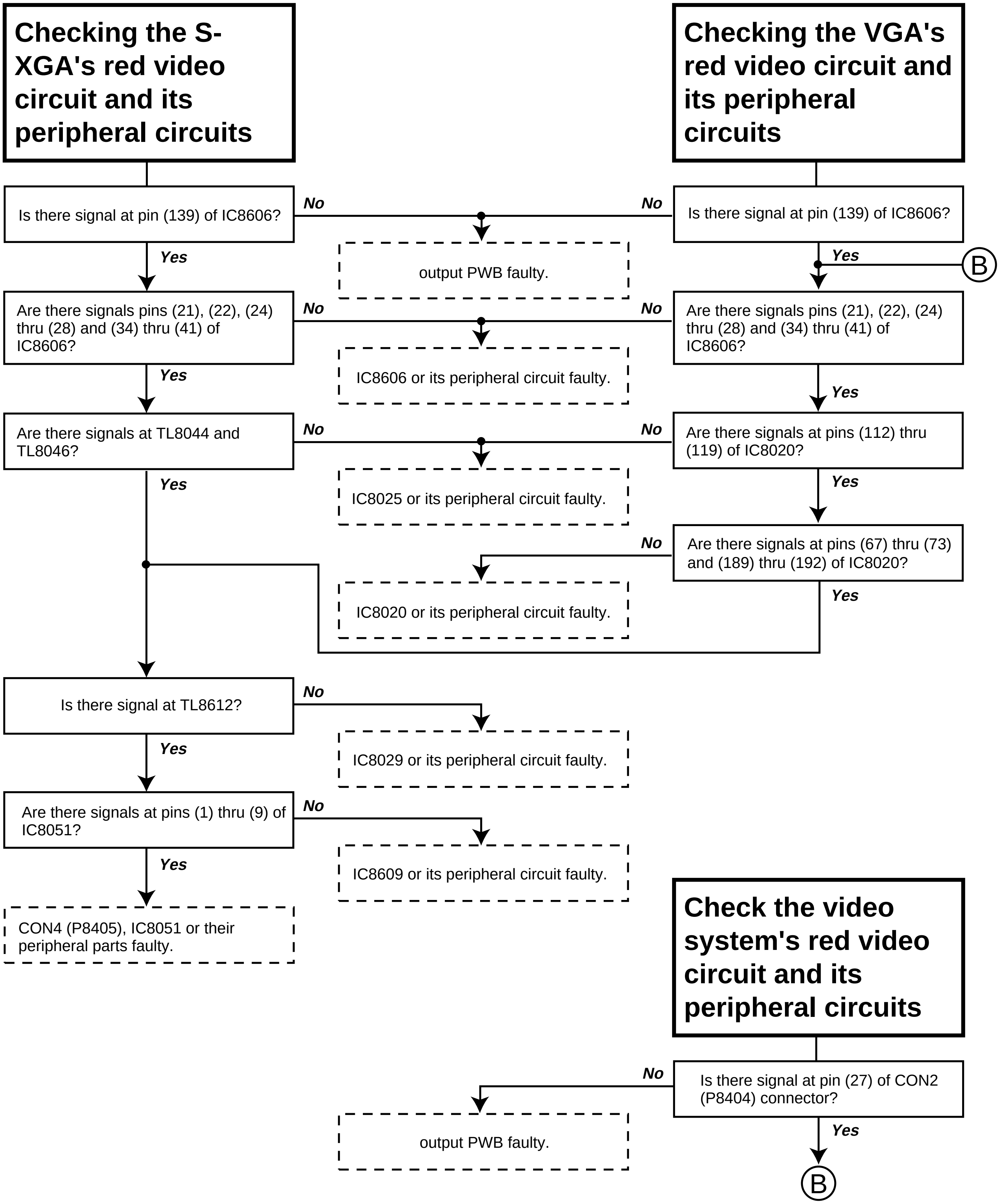

Is X8001 (6MHz) oscillating?
No
X8001 or its peripheral part faulty.
Yes
Is X8003 (1.84MHz) oscillating?
No
X8003 or its peripheral part faulty.
Yes
Is X8004 (22.165MHz) oscillating?
No
X8004 or its peripheral part faulty.
Yes
Is X8005 (16.25MHz) oscillating?
No
X8005 or its peripheral part faulty.
Yes
Does pin (162) of IC8001 function?
No
IC8001 or its peripheral circuit faulty.
Yes
Are there signals at pins (100) and (101) of IC8606?
Yes
IC8004 or its peripheral parts defective.
No
Is there signal at TL8616?
Yes
IC8025 or its peripheral parts defective.
No
Is there signal at TL8615?
Yes
IC8609 or its peripheral parts defective.
No
Go to "Checking the Sync Signal Circuit and Its Peripherals."
No
Is the sync signal of split type?
Yes
Are there signals at TP8004 and TP8005?
No
Output PWB defective.
Yes
No
Is the sync signal of Sync On Green type?
Yes
Is there signal at TL8606?
No
IC8606 or its peripheral parts defective.
Yes
Does the input have a below-XGA resolution or is it video signal?
No
Yes
Are there signals at TL8034 and TL8035?
No
IC8025 or its peripheral parts defective.
No
Are there signals at TL8023, TL8024 and TL8025?
Yes
E
Yes
Are there signals at TL8043, TL8041 and TL8042?
No
IC8020 or its peripheral parts defective.
E
Yes
Are there signals at TL8057 and TL8058?
No
IC8029 or its peripheral parts defective.
Yes
Are there signals at pins (19), (20), (21), (32), (36) and (40) of P8405?
No
IC8609 or its peripheral parts defective.
Yes
Go to "Checking the PLL Circuit and its Peripherals."

TROUBLE SHOOTING TABLE FOR PC I/F UNIT-2

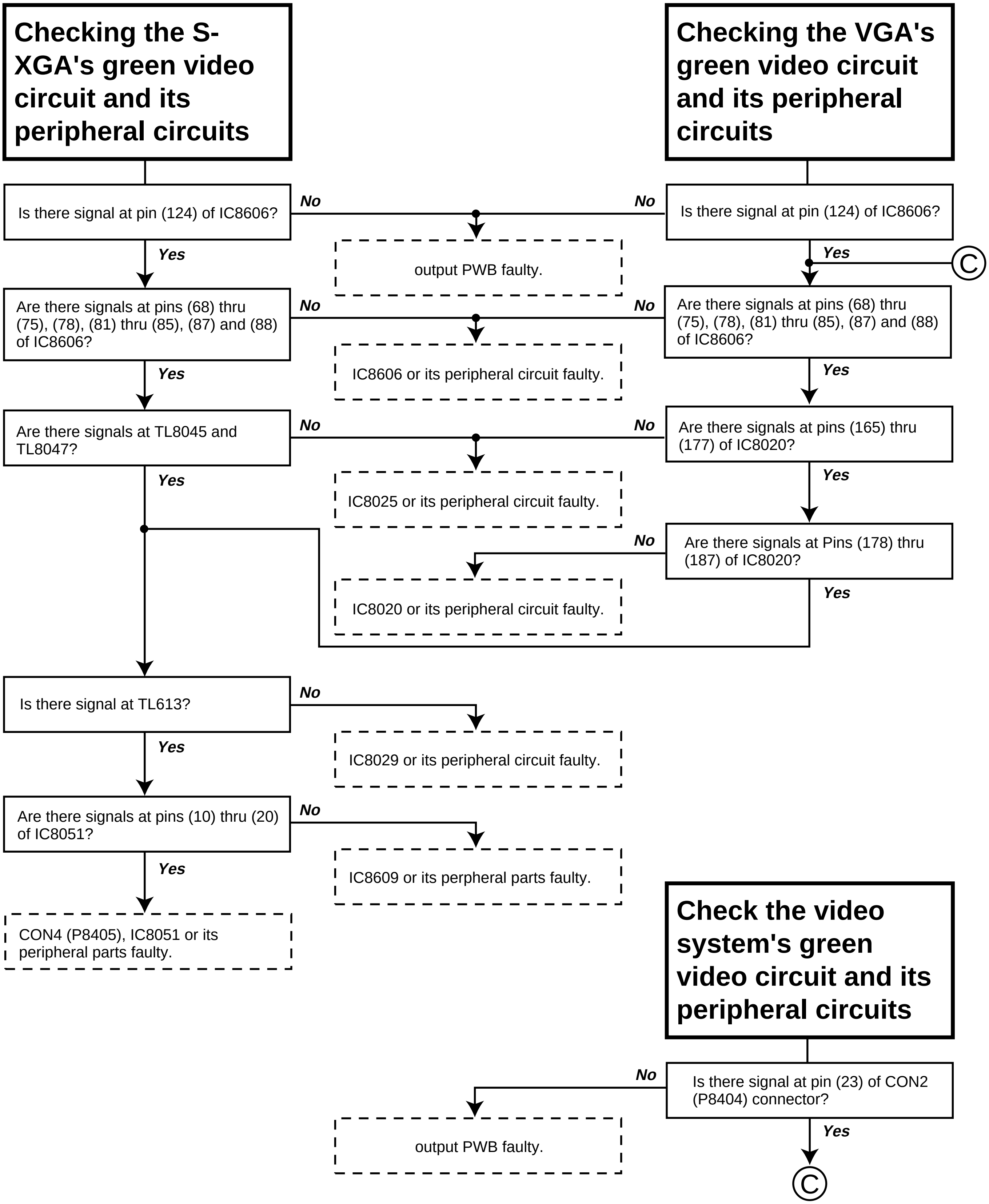
Checking the PLL circuit and its peripheral circuits


Are there signals at pin(111) of IC8606 and TL8606?
No
IC8025 or its peripheral circuit faulty.
Yes
Is there signal at pins (100) and (101) of IC8606?
No
IC8606 or its peripheral circuit faulty.
Yes
Check the video circuit and its peripheral circuits.
Is image as specified at resolution above XGA level?
No
Check the S-XGA video circuit and its peripheral circuits.
Yes
Is image as specified at resolution below XGA level?
No
Check the VGA video circuit and its peripheral circuits.
Yes
Hook up a video system. Is the display as specified?
No
Check the video system's video circuit and its peripheral circuits.
Yes
A

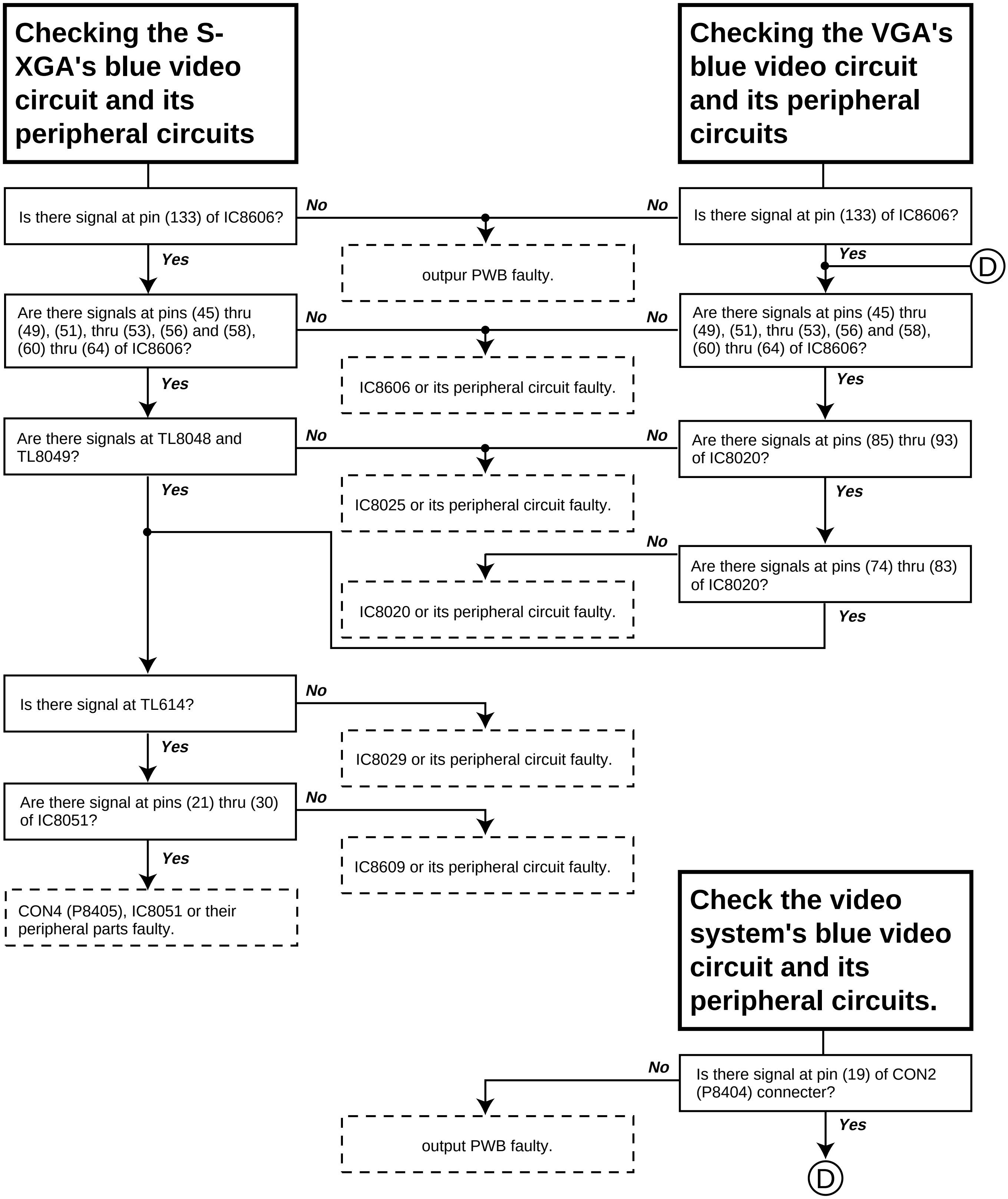
TROUBLE SHOOTING TABLE FOR PC I/F UNIT-3


Checking the S-XGA's red video circuit and its peripheral circuits
Checking the VGA's red video circuit and its peripheral circuits
Is there signal at pin (139) of IC8606?
No
No
Is there signal at pin (139) of IC8606?
Yes
output PWB faulty.
Yes
B
Are there signals pins (21), (22), (24) thru (28) and (34) thru (41) of IC8606?
No
No
Are there signals pins (21), (22), (24) thru (28) and (34) thru (41) of IC8606?
Yes
IC8606 or its peripheral circuit faulty.
Yes
Are there signals at TL8044 and TL8046?
No
No
Are there signals at pins (112) thru (119) of IC8020?
Yes
IC8025 or its peripheral circuit faulty.
Yes
No
Are there signals at pins (67) thru (73) and (189) thru (192) of IC8020?
IC8020 or its peripheral circuit faulty.
Yes
Is there signal at TL8612?
No
IC8029 or its peripheral circuit faulty.
Yes
Are there signals at pins (1) thru (9) of IC8051?
No
IC8609 or its peripheral circuit faulty.
Yes
CON4 (P8405), IC8051 or their peripheral parts faulty.
Check the video system's red video circuit and its peripheral circuits
No
Is there signal at pin (27) of CON2 (P8404) connector?
output PWB faulty.
Yes
B

TROUBLE SHOOTING TABLE FOR PC I/F UNIT-4

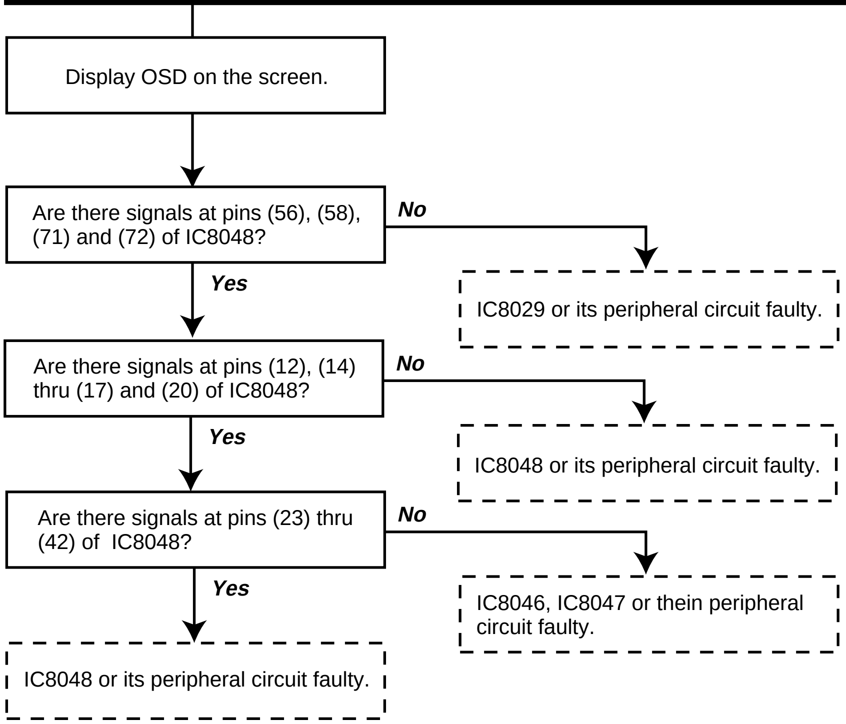

Checking the S-XGA's green video circuit and its peripheral circuits
Checking the VGA's green video circuit and its peripheral circuits
Is there signal at pin (124) of IC8606?
No
No
Is there signal at pin (124) of IC8606?
Yes
output PWB faulty.
Yes
C
Are there signals at pins (68) thru (75), (78), (81) thru (85), (87) and (88) of IC8606?
No
No
Are there signals at pins (68) thru (75), (78), (81) thru (85), (87) and (88) of IC8606?
Yes
IC8606 or its peripheral circuit faulty.
Yes
Are there signals at TL8045 and TL8047?
No
No
Are there signals at pins (165) thru (177) of IC8020?
Yes
IC8025 or its peripheral circuit faulty.
Yes
No
Are there signals at Pins (178) thru (187) of IC8020?
IC8020 or its peripheral circuit faulty.
Yes
Is there signal at TL613?
No
Yes
IC8029 or its peripheral circuit faulty.
Are there signals at pins (10) thru (20) of IC8051?
No
Yes
IC8609 or its perpheral parts faulty.
CON4 (P8405), IC8051 or its peripheral parts faulty.
Check the video system's green video circuit and its peripheral circuits
No
Is there signal at pin (23) of CON2 (P8404) connector?
output PWB faulty.
Yes
C

TROUBLE SHOOTING TABLE FOR PC I/F UNIT-5

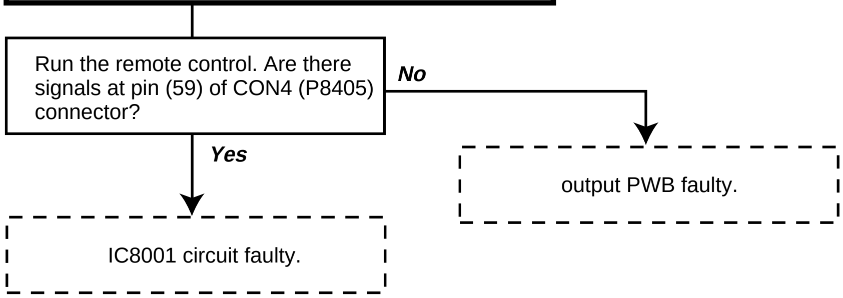

Checking the S-XGA's blue video circuit and its peripheral circuits
Checking the VGA's blue video circuit and its peripheral circuits
Is there signal at pin (133) of IC8606?
No
No
Is there signal at pin (133) of IC8606?
Yes
outpur PWB faulty.
Yes
D
Are there signals at pins (45) thru (49), (51), thru (53), (56) and (58), (60) thru (64) of IC8606?
No
No
Are there signals at pins (45) thru (49), (51), thru (53), (56) and (58), (60) thru (64) of IC8606?
Yes
IC8606 or its peripheral circuit faulty.
Yes
Are there signals at TL8048 and TL8049?
No
No
Are there signals at pins (85) thru (93) of IC8020?
Yes
IC8025 or its peripheral circuit faulty.
Yes
No
Are there signals at pins (74) thru (83) of IC8020?
IC8020 or its peripheral circuit faulty.
Yes
Is there signal at TL614?
No
Yes
IC8029 or its peripheral circuit faulty.
Are there signal at pins (21) thru (30) of IC8051?
No
Yes
IC8609 or its peripheral circuit faulty.
CON4 (P8405), IC8051 or their peripheral parts faulty.
Check the video system's blue video circuit and its peripheral circuits.
No
Is there signal at pin (19) of CON2 (P8404) connecter?
Yes
output PWB faulty.
D

TROUBLE SHOOTING TABLE FOR PC I/F UNIT-6

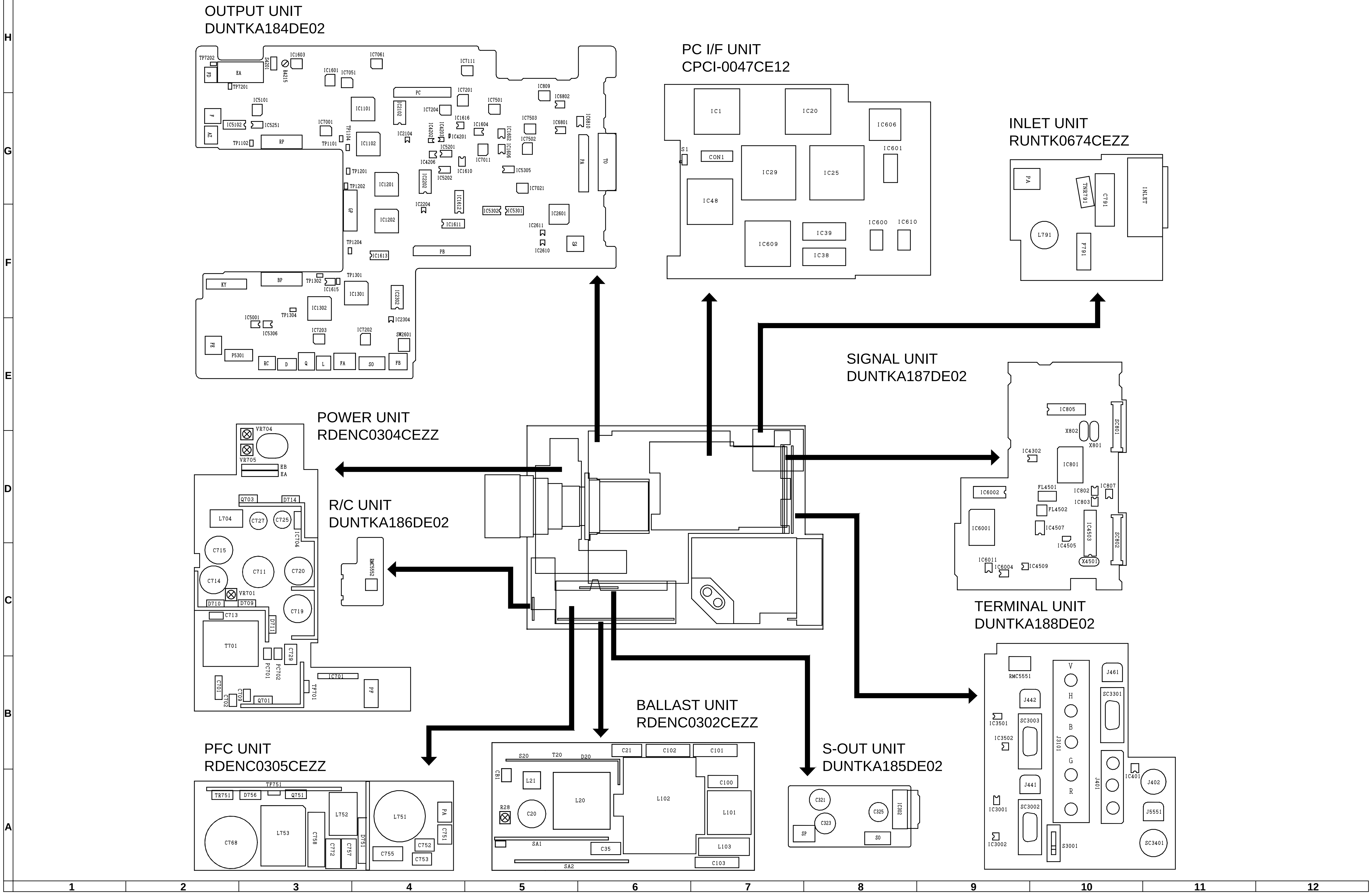
Checking the OSD circuit and its peripheral circuits


Display OSD on the screen.
Are there signals at pins (56), (58), (71) and (72) of IC8048?
No
IC8029 or its peripheral circuit faulty.
Yes
Are there signals at pins (12), (14) thru (17) and (20) of IC8048?
No
IC8048 or its peripheral circuit faulty.
Yes
Are there signals at pins (23) thru (42) of IC8048?
No
IC8046, IC8047 or thein peripheral circuit faulty.
Yes
IC8048 or its peripheral circuit faulty.

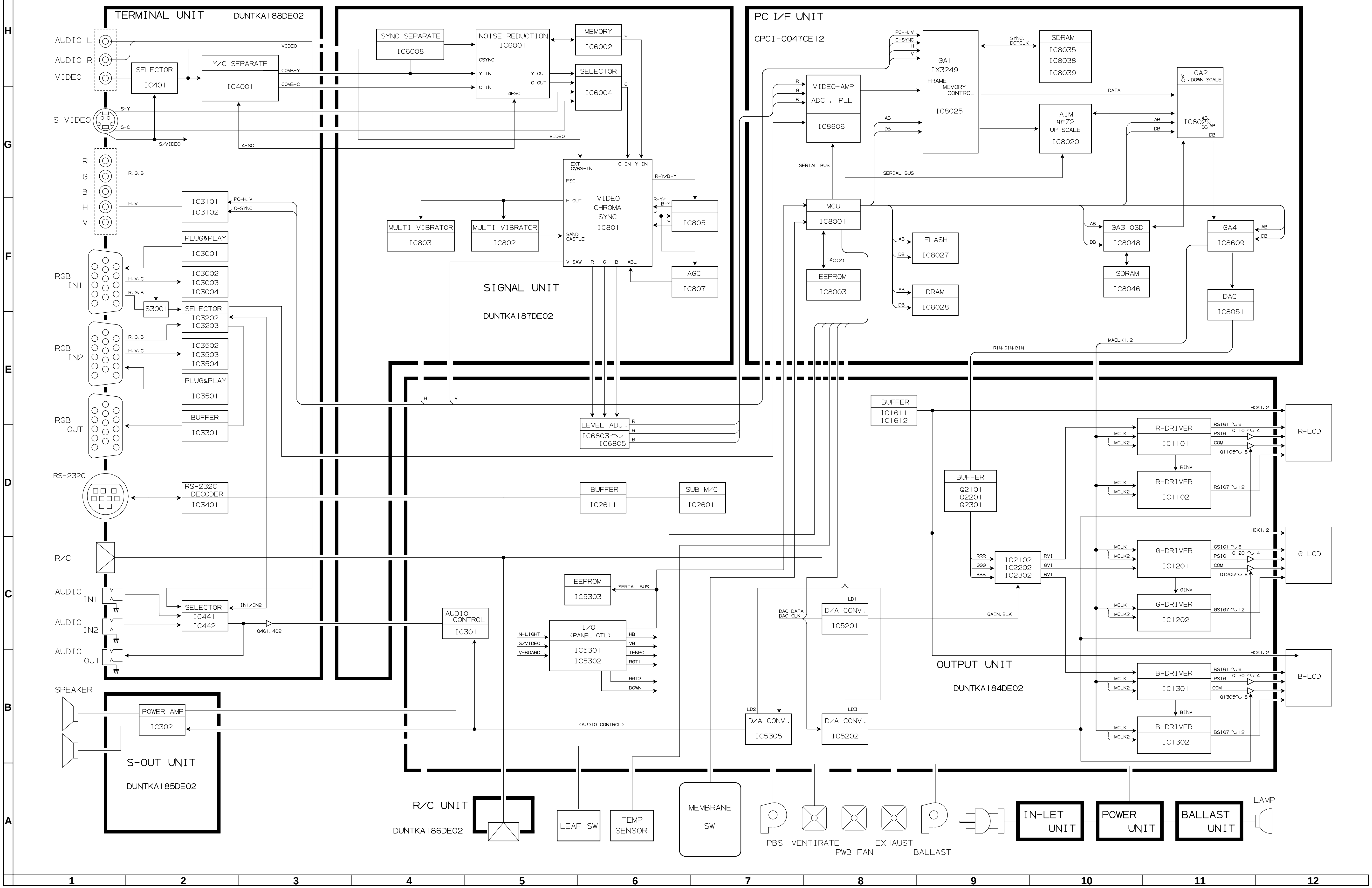
Checking the remote control


Run the remote control. Are there signals at pin (59) of CON4 (P8405) connector?
No
output PWB faulty.
Yes
IC8001 circuit faulty.

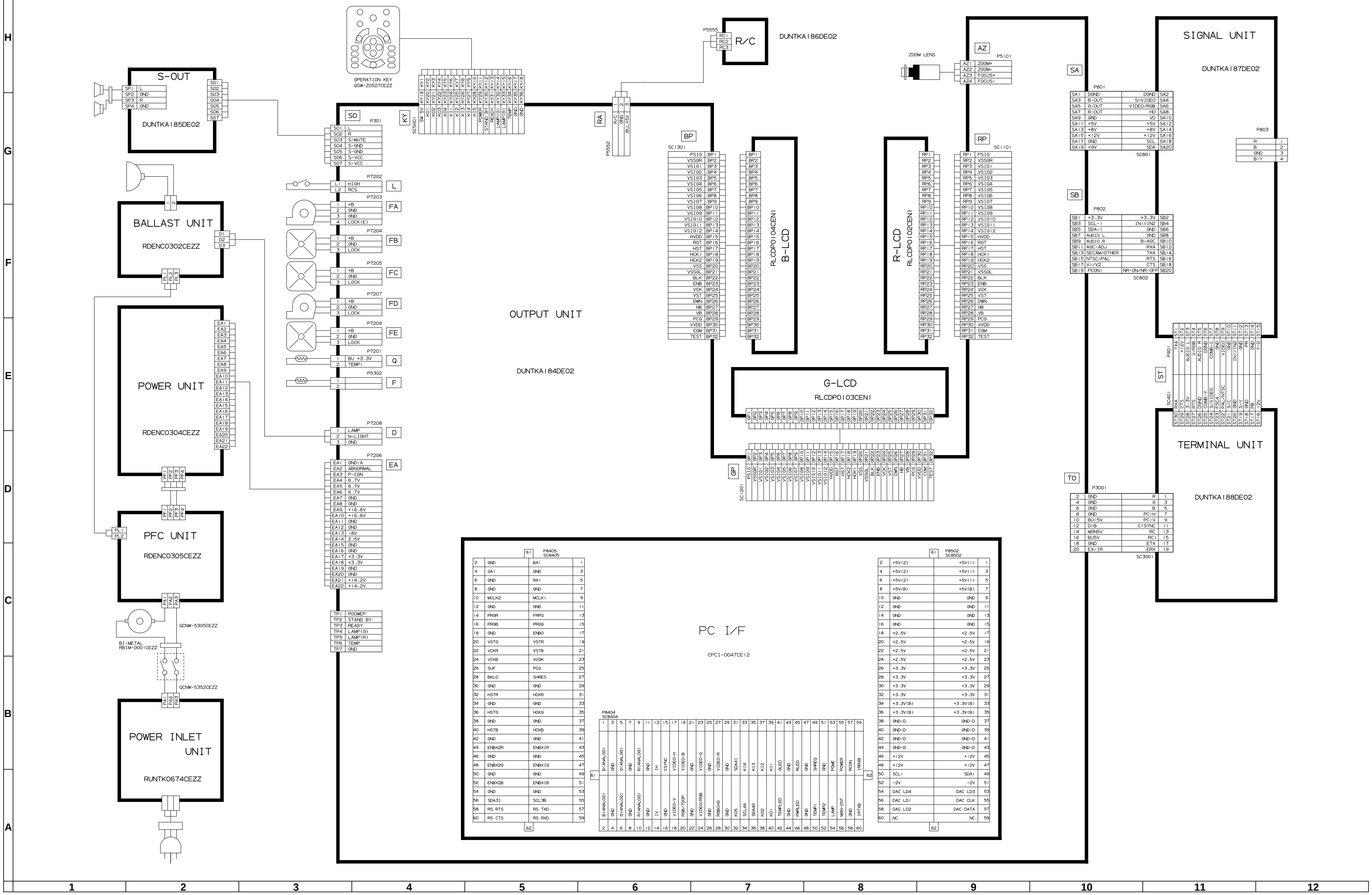
CHASSIS LAYOUT / CHASSIS-ANORDNUNG


OUTPUT UNIT
DUNTKA184DE02
PC I/F UNIT
CPCI-0047CE12
INLET UNIT
RUNTK0674CEZZ
SIGNAL UNIT
DUNTKA187DE02
POWER UNIT
RDENC0304CEZZ
R/C UNIT
DUNTKA186DE02
TERMINAL UNIT
DUNTKA188DE02
BALLAST UNIT
RDENC0302CEZZ
S-OUT UNIT
DUNTKA185DE02
PFC UNIT
RDENC0305CEZZ
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12

BLOCK DIAGRAM / BLOCKSCHALTBILD


TERMINAL UNIT
DUNTKA188DE02
AUDIO L
AUDIO R
VIDEO
SELECTOR IC401
Y/C SEPARATE IC4001
COMB-Y
COMB-C
S-VIDEO
S-Y
S-C
S/VIDEO
4FSC
R
G
B
H
V
R, G, B
H, V
IC3101 IC3102
PC-H, V
C-SYNC
PLUG&PLAY IC3001
RGB IN1
H, V, C
IC3002 IC3003 IC3004
S3001
SELECTOR IC3202 IC3203
RGB IN2
IC3502 IC3503 IC3504
PLUG&PLAY IC3501
RGB OUT
BUFFER IC3301
RS-232C
RS-232C DECODER IC3401
R/C
AUDIO IN1
AUDIO IN2
AUDIO OUT
SELECTOR IC441 IC442
IN1/IN2
Q461, 462
SPEAKER
POWER AMP IC302
S-OUT UNIT
DUNTKA185DE02
SYNC SEPARATE IC6008
NOISE REDUCTION IC6001
CSYNC
Y IN
C IN
Y OUT
C OUT
4FSC
MEMORY IC6002
SELECTOR IC6004
EXT CVBS-IN
FSC
H OUT
SAND CASTLE
V SAW
C IN Y IN
VIDEO CHROMA SYNC IC801
R-Y/B-Y
IC805
AGC IC807
ABL
MULTI VIBRATOR IC803
MULTI VIBRATOR IC802
SIGNAL UNIT
DUNTKA187DE02
LEVEL ADJ. IC6803～IC6805
BUFFER IC2611
SUB M/C IC2601
EEPROM IC5303
SERIAL BUS
I/O (PANEL CTL) IC5301 IC5302
N-LIGHT
S/VIDEO
V-BOARD
HB
VB
TENPO
RGT1
RGT2
DOWN
AUDIO CONTROL IC301
(AUDIO CONTROL)
PC I/F UNIT
CPCI-0047CE12
VIDEO-AMP ADC . PLL IC8606
GA1 IX3249 FRAME MEMORY CONTROL IC8025
SYNC DOTCLK
SDRAM IC8035 IC8038 IC8039
AIM gmZ2 UP SCALE IC8020
GA2 γ. DOWN SCALE IC8029
DATA
AB
DB
SERIAL BUS
MCU IC8001
I²C(2)
EEPROM IC8003
FLASH IC8027
DRAM IC8028
GA3 OSD IC8048
SDRAM IC8046
GA4 IC8609
DAC IC8051
RIN, GIN, BIN
MACLK1, 2
OUTPUT UNIT
DUNTKA184DE02
BUFFER IC1611 IC1612
BUFFER Q2101 Q2201 Q2301
IC2102 IC2202 IC2302
RRR
GGG
BBB
RVI
GVI
BVI
GAIN, BLK
D/A CONV. IC5201
D/A CONV. IC5305
D/A CONV. IC5202
LD1
LD2
LD3
DAC DATA
DAC CLK
HCK1, 2
R-DRIVER IC1101
R-DRIVER IC1102
G-DRIVER IC1201
G-DRIVER IC1202
B-DRIVER IC1301
B-DRIVER IC1302
MCLK1
MCLK2
RSIG1～6
RSIG7～12
GSIG1～6
GSIG7～12
BSIG1～6
BSIG7～12
PSIG
COM
Q1101～4
Q1105～8
Q1201～4
Q1205～8
Q1301～4
Q1305～8
RINV
GINV
BINV
R-LCD
G-LCD
B-LCD
R/C UNIT
DUNTKA186DE02
LEAF SW
TEMP SENSOR
MEMBRANE SW
PBS
VENTIRATE
PWB FAN
EXHAUST
BALLAST
IN-LET UNIT
POWER UNIT
BALLAST UNIT
LAMP
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12

OVERALL WIRING DIAGRAM / GESAMTSCHALTPLAN


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
S-OUT
DUNTKA185DE02
BALLAST UNIT
RDENC0302CEZZ
POWER UNIT
RDENC0304CEZZ
PFC UNIT
RDENC0305CEZZ
QCNW-5305CEZZ
BI-METAL
RBIM-0001CEZZ
QCNW-5352CEZZ
POWER INLET UNIT
RUNTK0674CEZZ
OPERATION KEY
QSW-Z0527CEZZ
R/C
DUNTKA186DE02
ZOOM LENS
AZ
SA
SB
SIGNAL UNIT
DUNTKA187DE02
OUTPUT UNIT
DUNTKA184DE02
B-LCD
RLCDP0104CEN1
R-LCD
RLCDP0102CEN1
G-LCD
RLCDP0103CEN1
BP
RP
GP
ST
TERMINAL UNIT
DUNTKA188DE02
TO
PC I/F
CPCI-0047CE12
SO
KY
RA
L
FA
FB
FC
FD
FE
Q
F
D
EA

DESCRIPTION OF SCHEMATIC DIAGRAM

VOLTAGE MEASUREMENT CONDITION:

1. Voltages at test points are measured at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose and the above voltages are measured with a 20k ohm/V tester.

WAVEFORM MEASUREMENT CONDITION:

1. Waveforms at test points are observed at the supply voltage of AC 230V. Signals are fed by a colour bar signal generator for servicing purpose.

INDICATION OF RESISTOR & CAPACITOR:

RESISTOR

1. The unit of resistance “Ω” is omitted. (K=kΩ=1000 Ω, M=MΩ).
2. All resistors are ± 5%, unless otherwise noted. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. All resistors are 1/16W, unless otherwise noted.
4. All resistors are Carbon type, unless otherwise noted.

Ⓒ: Solid
Ⓢ: Oxide Film
Ⓝ: Metal Coating
ⓦ: Cement
Ⓣ: Special

CAPACITOR

1. All capacitors are µF, unless otherwise noted. (P=pF=µµF).
2. All capacitors are 50V, unless otherwise noted.
3. All capacitors are Ceramic type, unless otherwise noted.

(ML): Mylar
(PF): Polypro Film
(TA): Tantalum
(ST): Styrol

CAUTION:
This circuit diagram is original one, therefore there may be a slight difference from yours.

SAFETY NOTES:

1. ***DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACEING PARTS.***
2. ***SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.***

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH “ ⚠ (▨) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

BESCHREIBUNG DES SCHEMATISCHEN SCHALTPLANS

SPANNUNGSMESSUNGEN:

1. Spannungen an den Prüfpunkten werden bei einer Netzspannung von 230V gemessen, Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt, und Spannungen werden mit einem Meßinstrument (20 kΩ/V) ermittelt.

SIGNALFORMMESSUNGEN:

1. Die Wellenformen an den Testpunkten werden bei einer Netzspannung von 230V verfolgt. Signale werden für die Wartung mit einem Farbbalken-Signal generator zugeführt.

BEZEICHNUNG DES WIDERSTANDS UND KONDENSATORS:

WIDERSTAND

1. Die Widerstandseinheit “Ω” wird weggelassen. (K=kΩ=1000 Ω, M=MΩ).
2. Alle Widerstände haben ± 5%, sofern nicht anders angegeben. (J= ± 5%, F= ± 1%, D= ± 0.5%)
3. Alle Widerstände haben 1/16W, sofern nicht anders angegeben.
4. Alle Widerstände sind Kohletyp, sofern nicht anders angegeben.

Ⓒ: Fest
Ⓢ: Oxidefilm
Ⓝ: Metallüberzug
ⓦ: Zement
Ⓣ: Spezial

KONDENSATOR

1. Die Kapazitätseinheit ist µF, sofern nicht anders angegeben. (P=pF=µµF).
2. Alle Kondensatoren haben 50V, sofern nicht anders angegeben.
3. Alle Kondensatoren sind Keramiktyp, sofern nicht anders angegeben.

(ML): Mylar
(PF): Polyprofilm
(TA): Tantal
(ST): Styrol

ACHTUNG:
bei diesem Schaltplan handelt es sich um den ursprünglichen. Esönnen daher geringfügige Unterschiede zu dem Ihrem bestehen.

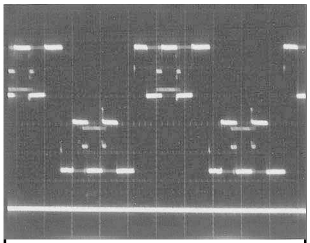
SICHERHEITSANMERKUNGEN:

1. ***VOR DEM AUSWECHSELN VON TEILEN MUSS UNBEDINGT NETZSTECKER AUS DER NETZSTECKDOSE GEZOGEN WERDEN.***
2. ***DIE WARMEABLEITER DER HALBLEITER SOLLTEN BEIM BETRIEB DES CHASSIS ALS MÖGLICHE URSACHEN VON GEFÄHRLICHEN ELEKTRISCHEN SCHLÄGEN BETRACHTET WERDEN.***

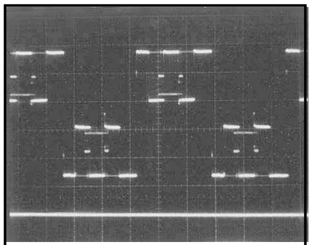
WICHTIGE SICHERHEITSANMERKUNGEN:

MIT “⚠ (▨)BEZEICHNETEN TEILE SIND BESONDERS WICHTIG FÜR DIE AUFRECHTERHALTUNG DER SICHERHEIT . BEIM WECHDIESER TEILE SOLLTEN DIE VORGESCHRIEBENEN TEILE IMMER VERWENDET WERDEN, UM SOWOHL DIE SICHERHEIT ALS AUCH DIE LEISTUNG DES GERÄTES AUFRECHTZUERHALTEN.

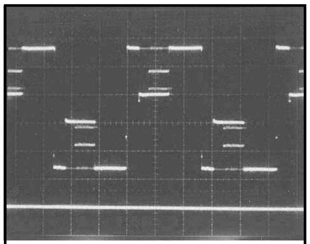
WAVEFORMS / WELLENFORMEN



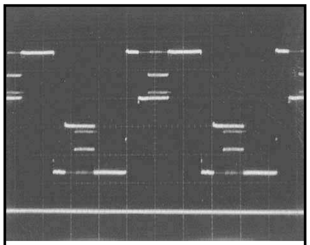
① SC1101 7-pin
(RP SIG5)
H : 10µsec/div
V : 2V/div



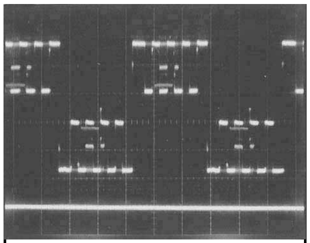
② SC1101 8-pin
(RP SIG6)
H : 10µsec/div
V : 2V/div



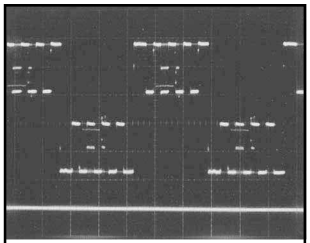
③ SC1201 7-pin
(GP SIG5)
H : 10µsec/div
V : 2V/div



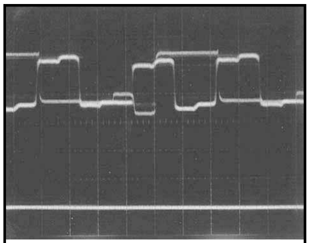
④ SC1201 8-pin
(GP SIG6)
H : 10µsec/div
V : 2V/div



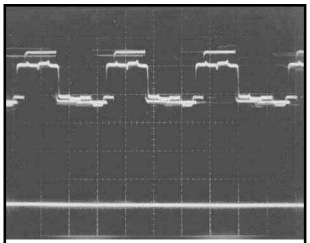
⑤ SC1301 7-pin
(BP SIG5)
H : 10µsec/div
V : 2V/div



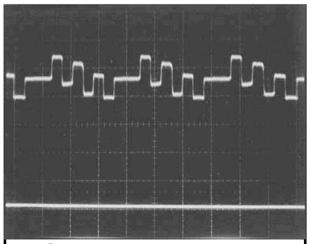
⑥ SC1301 8-pin
(BP SIG6)
H : 10µsec/div
V : 2V/div



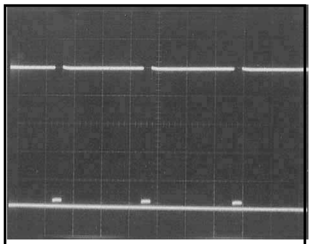
⑦ P803 1-pin
(R)
H : 10µsec/div
V : 0.5V/div



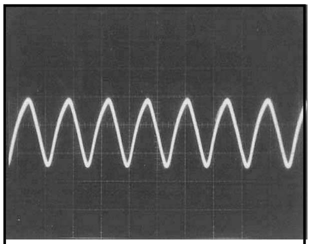
⑧ SC801 5-pin
(G)
H : 20µsec/div
V : 0.5V/div



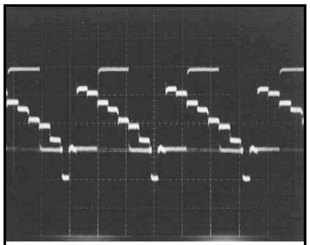
⑨ P803 4-pin
(B-Y)
H : 20µsec/div
V : 1V/div



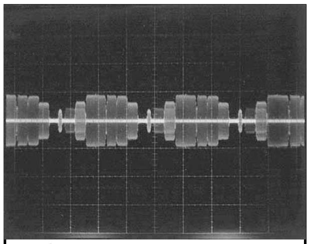
⑩ SC801 8-pin
(H-OUT)
H : 20µsec/div
V : 1V/div



⑪ Q6012 Emitter
(4FSC)
H : 50µsec/div
V : 0.5V/div

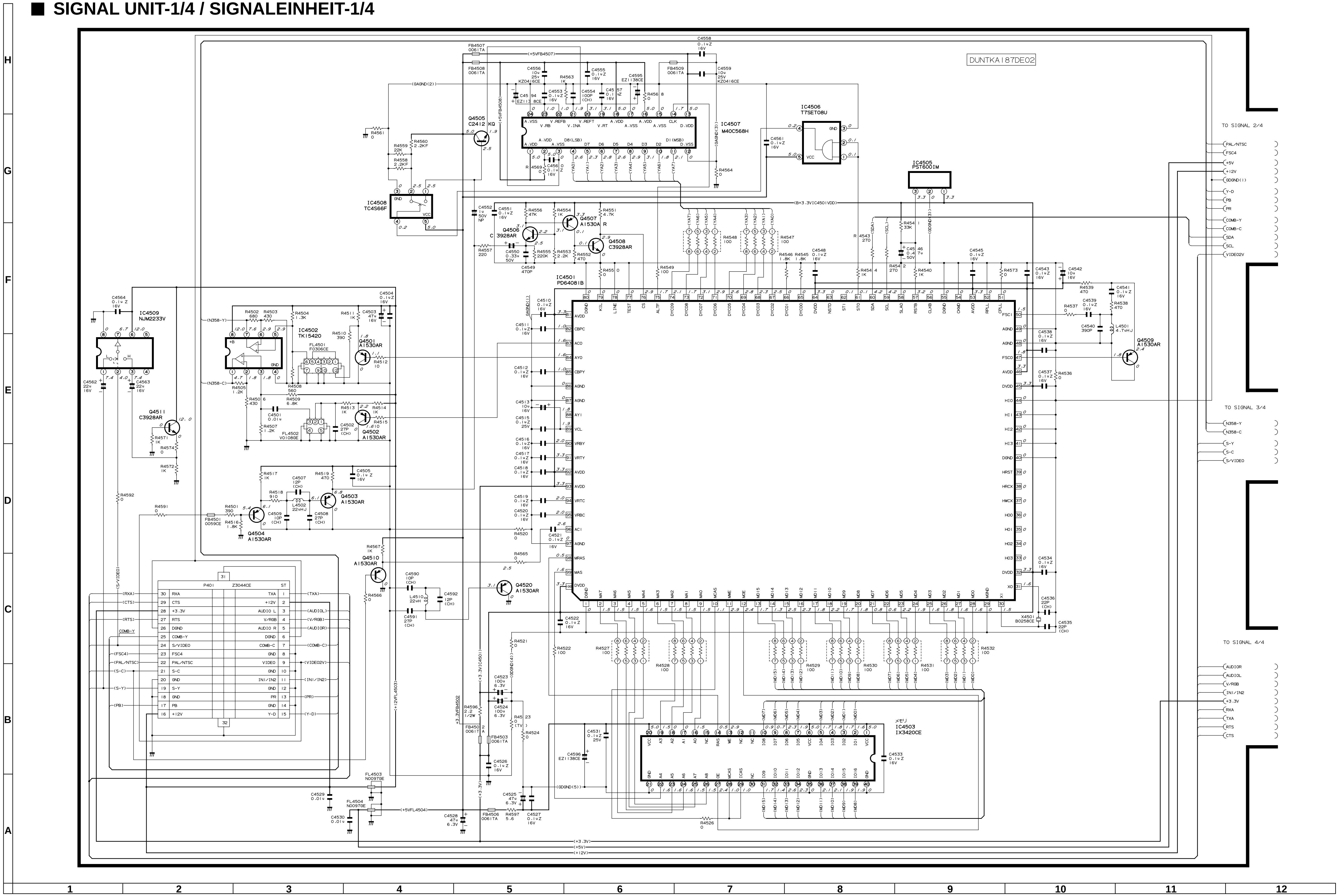


⑫ IC801 21-pin
(Y-signal)
H : 10µsec/div
V : 0.2V/div



⑬ IC801 20-pin
(CHROMA signal)
H : 10µsec/div
V : 0.2V/div

■ SIGNAL UNIT-1/4 / SIGNALEINHEIT-1/4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IC4507
M40C568H
IC4506
T7SET08U
IC4505
PST600IM
IC4508
TC4S66F
IC4509
NJM2233V
IC4502
TK15420
IC4501
PD64081B
IC4503
IX3420CE
P401
Z3044CE
Q4505
C2412 KQ
Q4506
C3928AR
Q4507
A1530A R
Q4508
C3928AR
Q4501
A1530AR
Q4502
A1530AR
Q4503
A1530AR
Q4504
A1530AR
Q4509
A1530AR
Q4510
A1530AR
Q4511
C3928AR
Q4520
A1530AR
X4501
B0258CE
FL4501
F0306CE
FL4502
V0108GE
FL4503
N0097GE
FL4504
N0097GE
(+3.3V)
(+5V)
(+12V)
TO SIGNAL 2/4
PAL/NTSC
FSC4
+5V
+12V
DGND(1)
Y-D
PB
PR
COMB-Y
COMB-C
SDA
SCL
VIDEO2V
TO SIGNAL 3/4
N358-Y
N358-C
S-Y
S-C
S/VIDEO
TO SIGNAL 4/4
AUDIOR
AUDIOL
V/RGB
IN1/IN2
+3.3V
RXA
TXA
RTS
CTS
H
G
F
E
D
C
B
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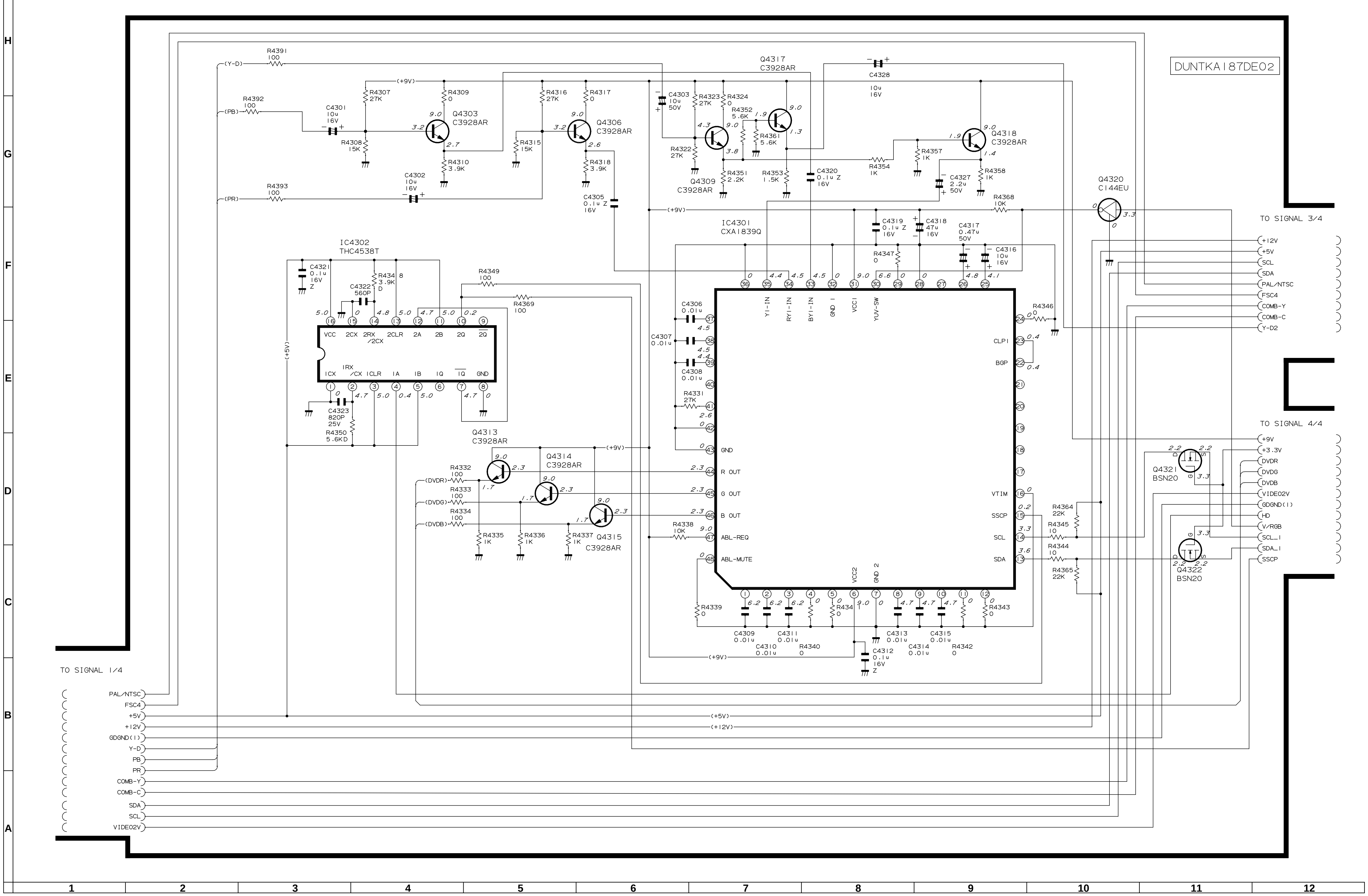
■ SIGNAL UNIT-2/4 / SIGNALEINHEIT-2/4


DUNTKA187DE02
TO SIGNAL 3/4
TO SIGNAL 4/4
TO SIGNAL 1/4
IC4301
CXA1839Q
IC4302
THC4538T
Q4303 C3928AR
Q4306 C3928AR
Q4309 C3928AR
Q4313 C3928AR
Q4314 C3928AR
Q4315 C3928AR
Q4317 C3928AR
Q4318 C3928AR
Q4320 C144EU
Q4321 BSN20
Q4322 BSN20
R4391 100
R4392 100
R4393 100
R4307 27K
R4308 15K
R4309 0
R4310 3.9K
R4315 15K
R4316 27K
R4317 0
R4318 3.9K
R4322 27K
R4323 27K
R4324 0
R4351 2.2K
R4352 5.6K
R4353 1.5K
R4361 5.6K
R4354 1K
R4357 1K
R4358 1K
R4368 10K
R4347 0
R4346 0
R4348 3.9K D
R4349 100
R4369 100
R4350 5.6KD
R4331 27K
R4332 100
R4333 100
R4334 100
R4335 1K
R4336 1K
R4337 1K
R4338 10K
R4339 0
R4340 0
R4341 0
R4342 0
R4343 0
R4344 10
R4345 10
R4364 22K
R4365 22K
C4301 10u 16V
C4302 10u 16V
C4303 10u 50V
C4305 0.1u Z 16V
C4306 0.01u
C4307 0.01u
C4308 0.01u
C4309 0.01u
C4310 0.01u
C4311 0.01u
C4312 0.1u 16V Z
C4313 0.01u
C4314 0.01u
C4315 0.01u
C4316 10u 16V
C4317 0.47u 50V
C4318 47u 16V
C4319 0.1u Z 16V
C4320 0.1u Z 16V
C4321 0.1u 16V Z
C4322 560P
C4323 820P 25V
C4327 2.2u 50V
C4328 10u 16V
(Y-D)
(PB)
(PR)
(+9V)
(+5V)
(+12V)
(DVDR)
(DVDG)
(DVDB)
VCC 2CX 2RX/2CX 2CLR 2A 2B 2Q 2Q
1CX 1RX/CX 1CLR 1A 1B 1Q 1Q GND
Y1-IN RY1-IN BY1-IN GND 1 VCC1 YUV-SW
CLP1 BGP
GND
R OUT
G OUT
B OUT
ABL-REQ
ABL-MUTE
VTIM SSCP SCL SDA
VCC2 GND 2
+12V
+5V
SCL
SDA
PAL/NTSC
FSC4
COMB-Y
COMB-C
Y-D2
+9V
+3.3V
DVDR
DVDG
DVDB
VIDEO2V
GDGND(1)
HD
V/RGB
SCL_1
SDA_1
SSCP
PAL/NTSC
FSC4
+5V
+12V
GDGND(1)
Y-D
PB
PR
COMB-Y
COMB-C
SDA
SCL
VIDEO2V
H
G
F
E
D
C
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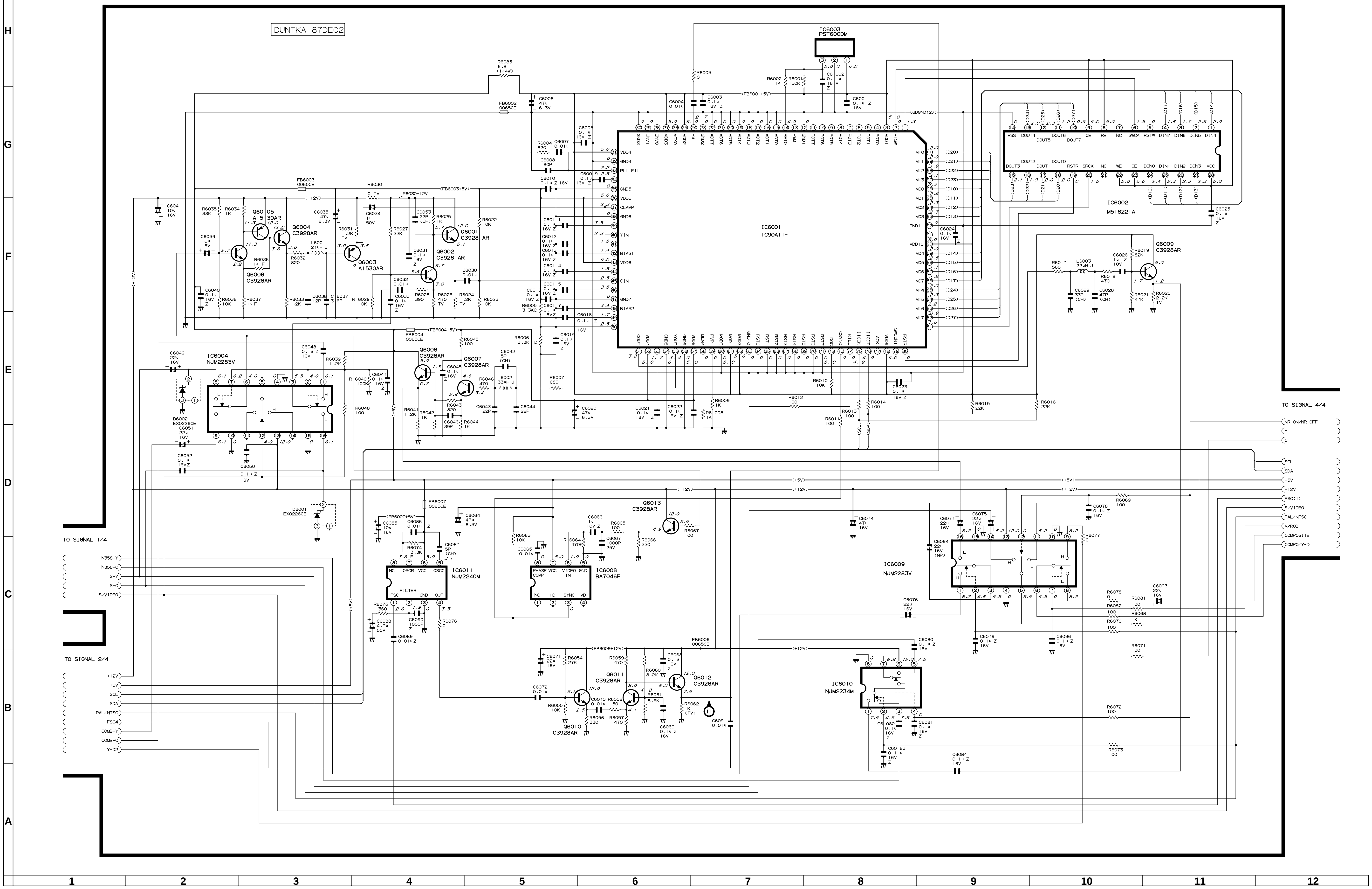
■ SIGNAL UNIT-3/4 / SIGNALEINHEIT-3/4


DUNTKA187DE02
IC6003
PST600DM
IC6001
TC90A11F
IC6002
M518221A
IC6004
NJM2283V
IC6009
NJM2283V
IC6011
NJM2240M
IC6008
BA7046F
IC6010
NJM2234M
Q6001 C3928AR
Q6002 C3928AR
Q6003 A1530AR
Q6004 C3928AR
Q6005 A1530AR
Q6006 C3928AR
Q6007 C3928AR
Q6008 C3928AR
Q6009 C3928AR
Q6010 C3928AR
Q6011 C3928AR
Q6012 C3928AR
Q6013 C3928AR
D6001 EX0226CE
D6002 EX0226CE
FB6001
FB6002 0065CE
FB6003 0065CE
FB6004 0065CE
FB6006 0065CE
FB6007 0065CE
L6001 27uH J
L6002 33uH J
L6003 22uH J
R6085 6.8 (1/4W)
(FB6001+5V)
(FB6003+5V)
(FB6004+5V)
(FB6006+12V)
(FB6007+5V)
(GDGND(2))
(+12V)
(+5V)
R6030+12V
VDD4
GND4
PLL FIL
GND5
VDD5
CLAMP
GND6
YIN
BIAS1
VDD6
CIN
GND7
BIAS2
COUT
VDD7
GND8
YOUT
GND9
VDD8
BLNK
FVPH
MOD0
MOD1
MOD2
GND10
RST1
RST2
RST3
RST4
RST5
RST6
RST7
DOC
CSYNC
KILL
IICK
IICD
ACK
VDD9
SWCONT
RSTR
M10
M11
M12
M13
M00
M01
M02
M03
GND11
VDD10
M04
M05
M06
M07
M14
M15
M16
M17
(D20)
(D21)
(D22)
(D23)
(D10)
(D11)
(D12)
(D13)
(D14)
(D15)
(D16)
(D17)
(D24)
(D25)
(D26)
(D27)
VSS
DOUT4
DOUT5
DOUT6
DOUT7
OE
RE
NC
SWCK
RSTW
DIN7
DIN6
DIN5
DIN4
DOUT3
DOUT2
DOUT1
DOUT0
RSTR
SRCK
WE
IE
DIN0
DIN1
DIN2
DIN3
VCC
NC
OSCR
VCC
OSCC
FILTER
FSC
GND
OUT
PHASE COMP
VCC
VIDEO IN
GND
NC
HD
SYNC
VD
TO SIGNAL 1/4
N358-Y
N358-C
S-Y
S-C
S/VIDEO
TO SIGNAL 2/4
+12V
+5V
SCL
SDA
PAL/NTSC
FSC4
COMB-Y
COMB-C
Y-D2
TO SIGNAL 4/4
NR-ON/NR-OFF
Y
C
SCL
SDA
+5V
+12V
FSC(1)
S/VIDEO
PAL/NTSC
V/RGB
COMPOSITE
COMPO/Y-D
H
G
F
E
D
C
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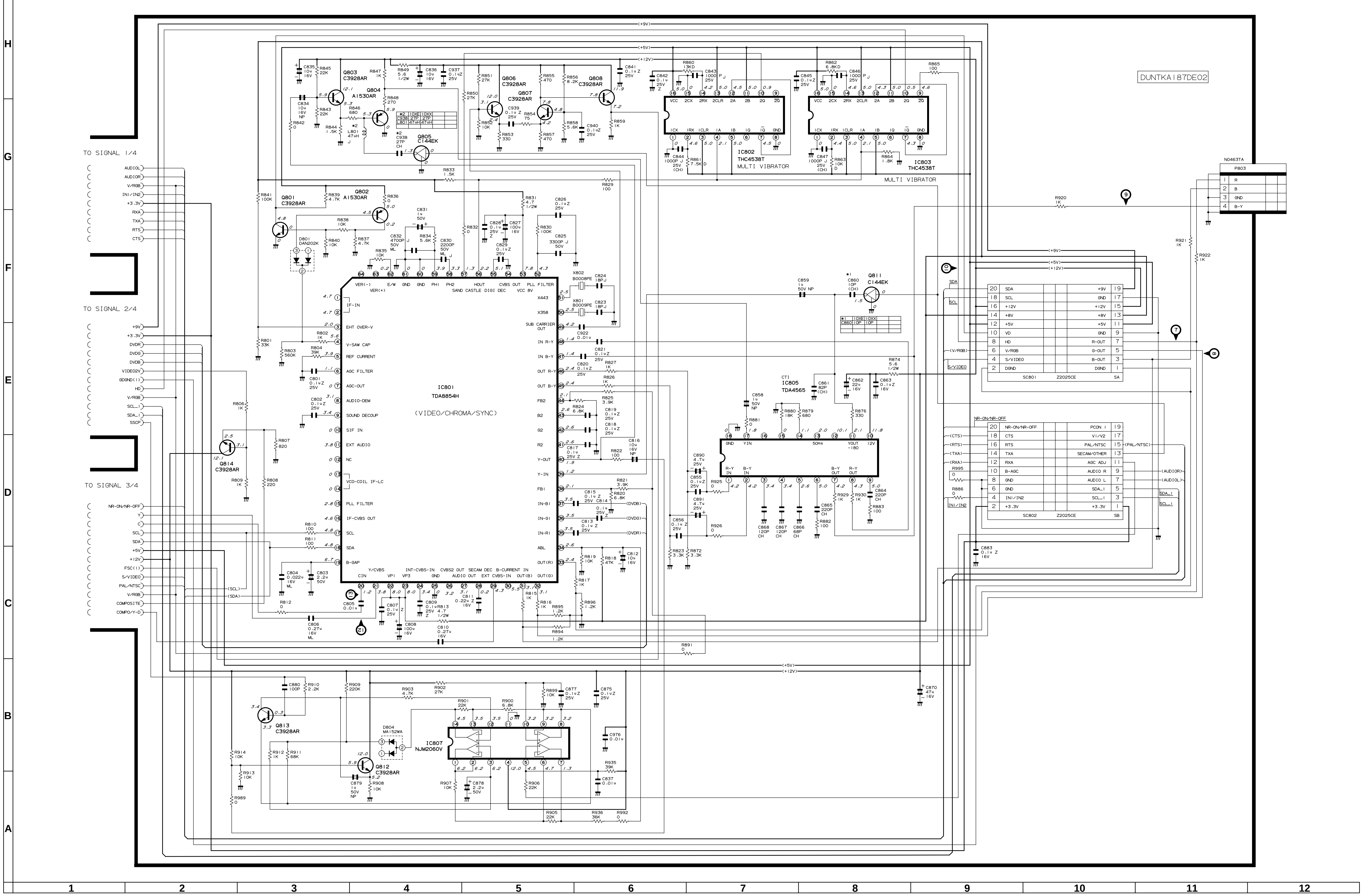
■ SIGNAL UNIT-4/4 / SIGNALEINHEIT-4/4



H
G
F
E
D
C
B
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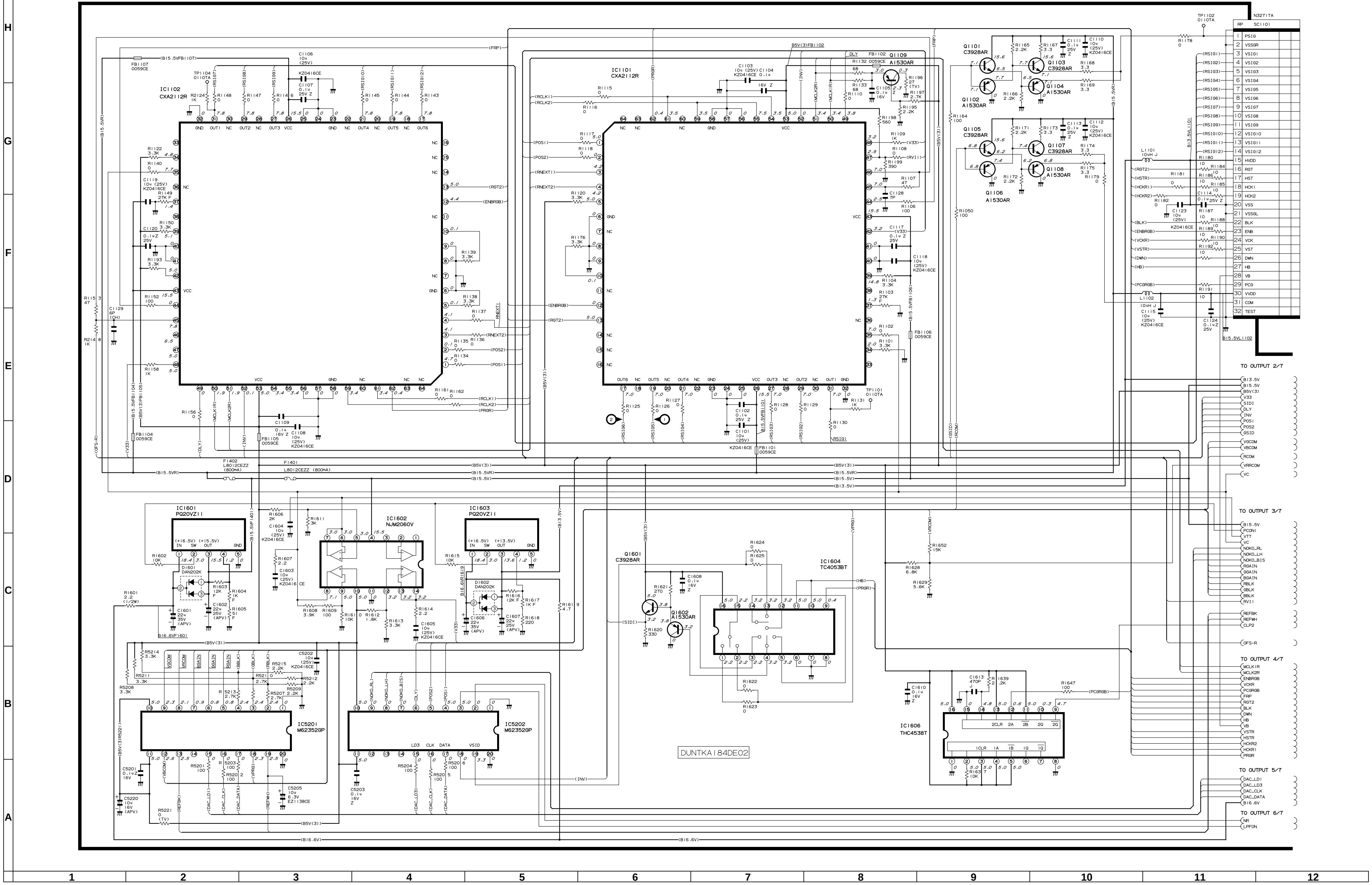
11
12
TO SIGNAL 1/4
AUDIOL
AUDIOR
V/RGB
IN1/IN2
+3.3V
RXA
TXA
RTS
CTS
TO SIGNAL 2/4
+9V
+3.3V
DVDR
DVDG
DVDB
VIDEO2V
GDGND(1)
HD
V/RGB
SCL_1
SDA_1
SSCP
TO SIGNAL 3/4
NR-ON/NR-OFF
Y
C
SCL
SDA
+5V
+12V
FSC(1)
S/VIDEO
PAL/NTSC
V/RGB
COMPOSITE
COMPO/Y-D
(+9V)
(+5V)
(+12V)
Q803 C3928AR
Q804 A1530AR
Q805 C144EK
Q806 C3928AR
Q807 C3928AR
Q808 C3928AR
Q801 C3928AR
Q802 A1530AR
Q814 C3928AR
Q811 C144EK
Q813 C3928AR
Q812 C3928AR
D801 DAN202K
D804 MA152WA
IC801 TDA8854H
(VIDEO/CHROMA/SYNC)
IC802 THC4538T MULTI VIBRATOR
IC803 THC4538T MULTI VIBRATOR
IC805 TDA4565
CTI
IC807 NJM2060V
X802 B0008PE
X801 B0009PE
DUNTKA187DE02
N0463TA
P803
R
B
GND
B-Y
SC801 Z2025CE SA
SC802 Z2025CE SB
SDA
SCL
+12V
+8V
+5V
VD
HD
V/RGB
S/VIDEO
DGND
+9V
GND
R-OUT
G-OUT
B-OUT
NR-ON/NR-OFF
CTS
RTS
TXA
RXA
B-AGC
GND
IN1/IN2
+3.3V
PCON 1
V1/V2
PAL/NTSC
SECAM/OTHER
AGC ADJ
AUDIO R
AUDIO L
SDA_1
SCL_1
(AUDIOR)
(AUDIOL)
(PAL/NTSC)
(SCL)
(SDA)
(DVDB)
(DVDG)
(DVDR)
IF-IN
EHT OVER-V
V-SAW CAP
REF CURRENT
AGC FILTER
AGC-OUT
AUDIO-DEM
SOUND DECOUP
SIF IN
EXT AUDIO
NC
VCO-COIL IF-LC
PLL FILTER
IF-CVBS OUT
SCL
SDA
B-GAP
X443
X358
SUB CARRIER OUT
IN R-Y
IN B-Y
OUT R-Y
OUT B-Y
FB2
B2
G2
R2
Y-OUT
Y-IN
FB1
IN-B1
IN-G1
IN-R1
ABL
OUT(R)
OUT(B)
OUT(G)
VER(-)
VER(+)
E/W
GND
PH1
PH2
SAND CASTLE
HOUT
DIGI DEC
CVBS OUT
VCC 8V
PLL FILTER
Y/CVBS
CIN
INT-CVBS-IN
VP1
VP3
CVBS2 OUT
AUDIO OUT
SECAM DEC
EXT CVBS-IN
B-CURRENT IN
VCC
2CX
2RX
2CLR
2A
2B
2Q
1CX
1RX
1CLR
1A
1B
1Q
YIN
YOUT
R-Y IN
B-Y IN
B-Y OUT
R-Y OUT
50ms
12V

■ OUTPUT UNIT-1/7 / AUSGABEEINHEIT-1/7


IC1102
CXA2112R
IC1101
CXA2112R
IC1601
PQ20VZ11
IC1602
NJM2060V
IC1603
PQ20VZ11
IC1604
TC4053BT
IC1606
THC4538T
IC5201
M62352GP
IC5202
M62352GP
Q1101
C3928AR
Q1102
A1530AR
Q1103
C3928AR
Q1104
A1530AR
Q1105
C3928AR
Q1106
A1530AR
Q1107
C3928AR
Q1108
A1530AR
Q1109
A1530AR
Q1601
C3928AR
Q1602
A1530AR
D1601
DAN202K
D1602
DAN202K
F1401
L8012CEZZ (800mA)
F1402
L8012CEZZ (800mA)
N32T1TA
SC1101
TO OUTPUT 2/7
TO OUTPUT 3/7
TO OUTPUT 4/7
TO OUTPUT 5/7
TO OUTPUT 6/7
DUNTKA184DE02
H
G
F
E
D
C
B
A
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12

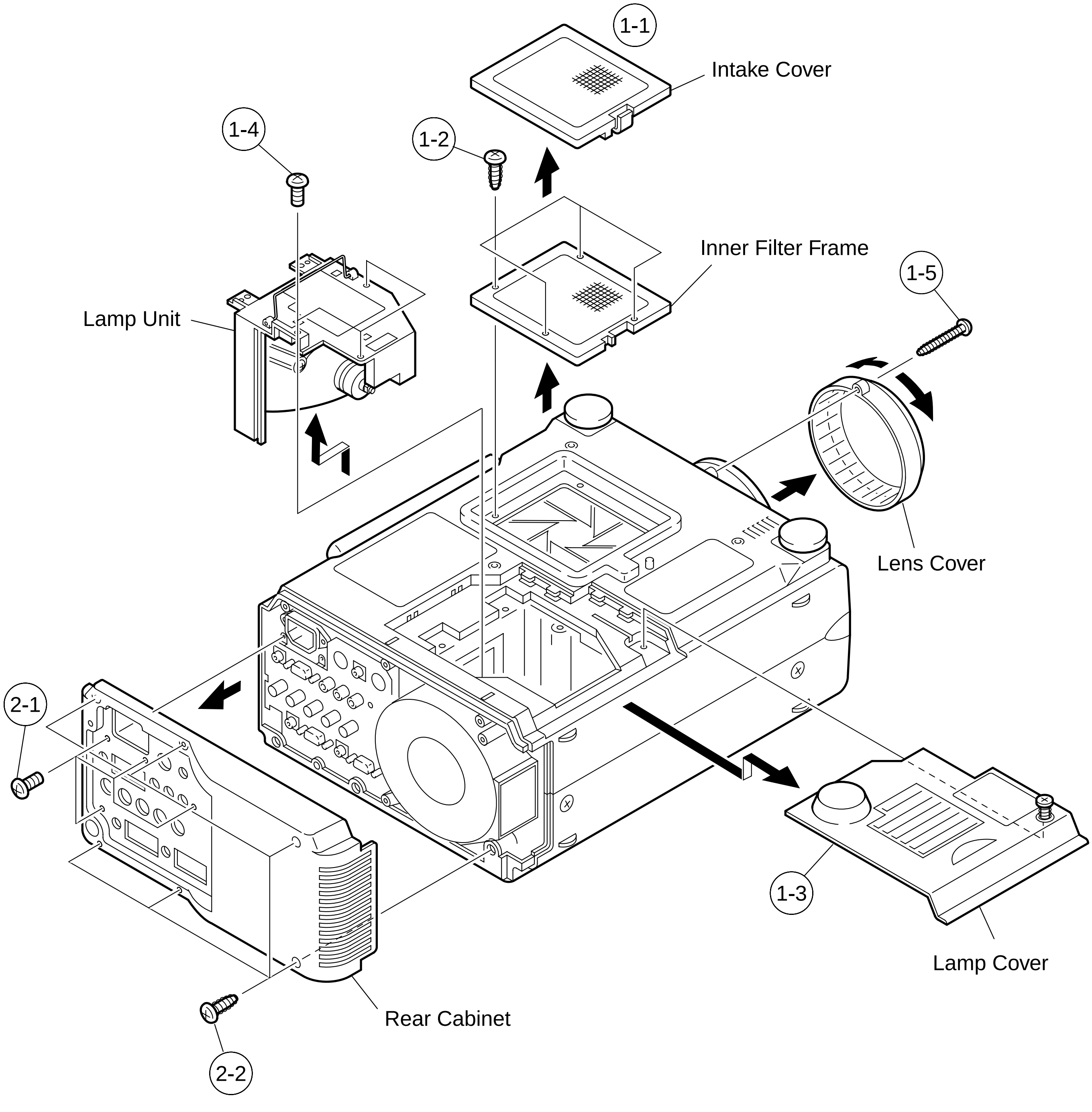
REMOVING OF MAJOR PARTS

1. Removing the Intake cover, lamp unit and lens cover.

1-1. Detach the Intake cover.
1-2. Remove the four lock screws off the inner filter frame. Detach the frame.
1-3. Remove the lock screw off the lamp cover. Slide and detach the lamp cover.
1-4. Remove the three lock screws off the lamp unit and detach the lamp unit.
1-5. Remove the lens cover lock screw, and turn and detach the lens cover.

2. Removing the rear cabinet.

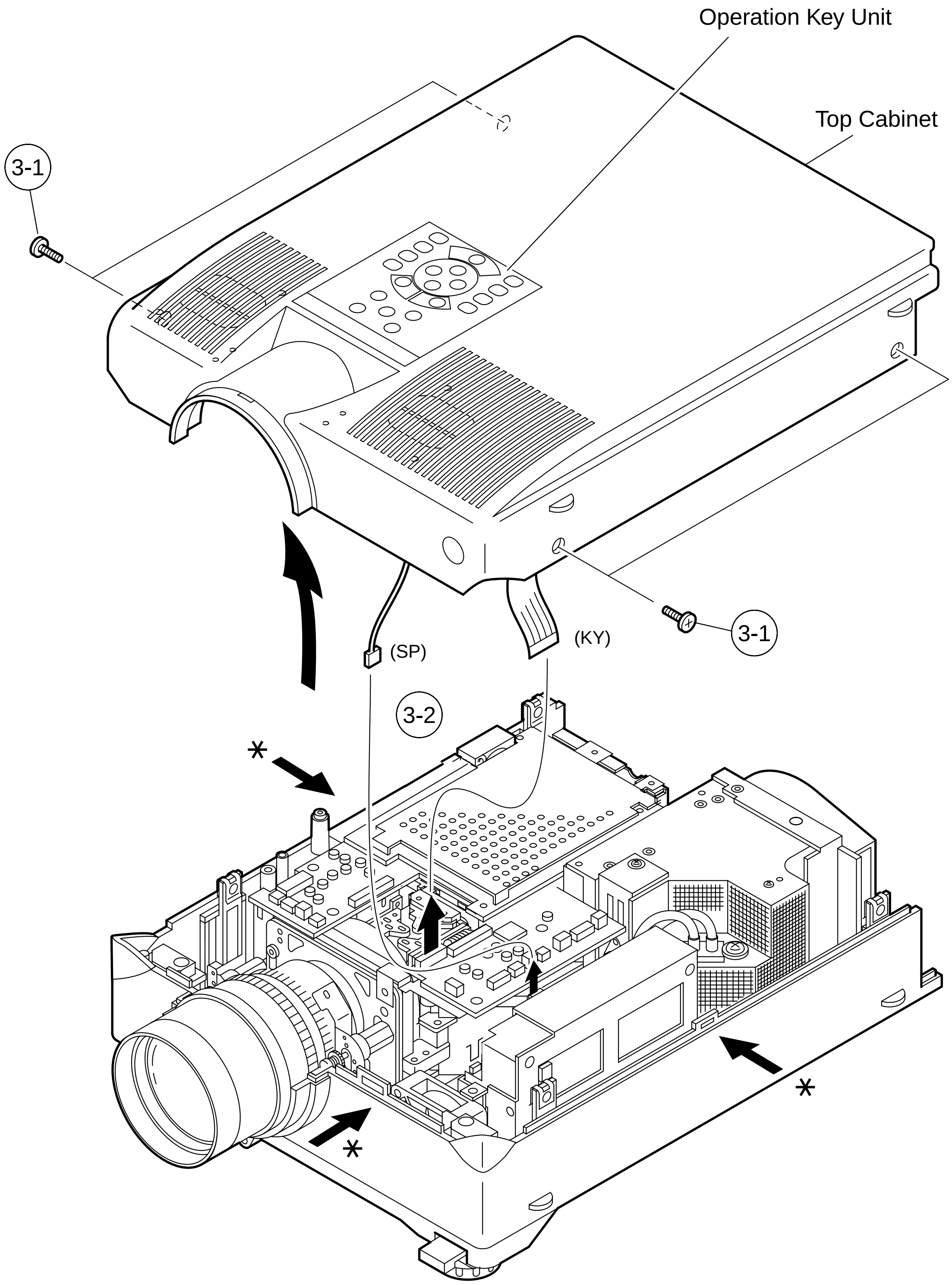
2-1. Remove the four lock screws off the terminal board.
2-2. Remove the six lock screws off the rear cabinet. Detach the rear cabinet.


1-1
Intake Cover
1-4
1-2
Inner Filter Frame
1-5
Lamp Unit
Lens Cover
2-1
1-3
Lamp Cover
Rear Cabinet
2-2

3. Removing the top cabinet.

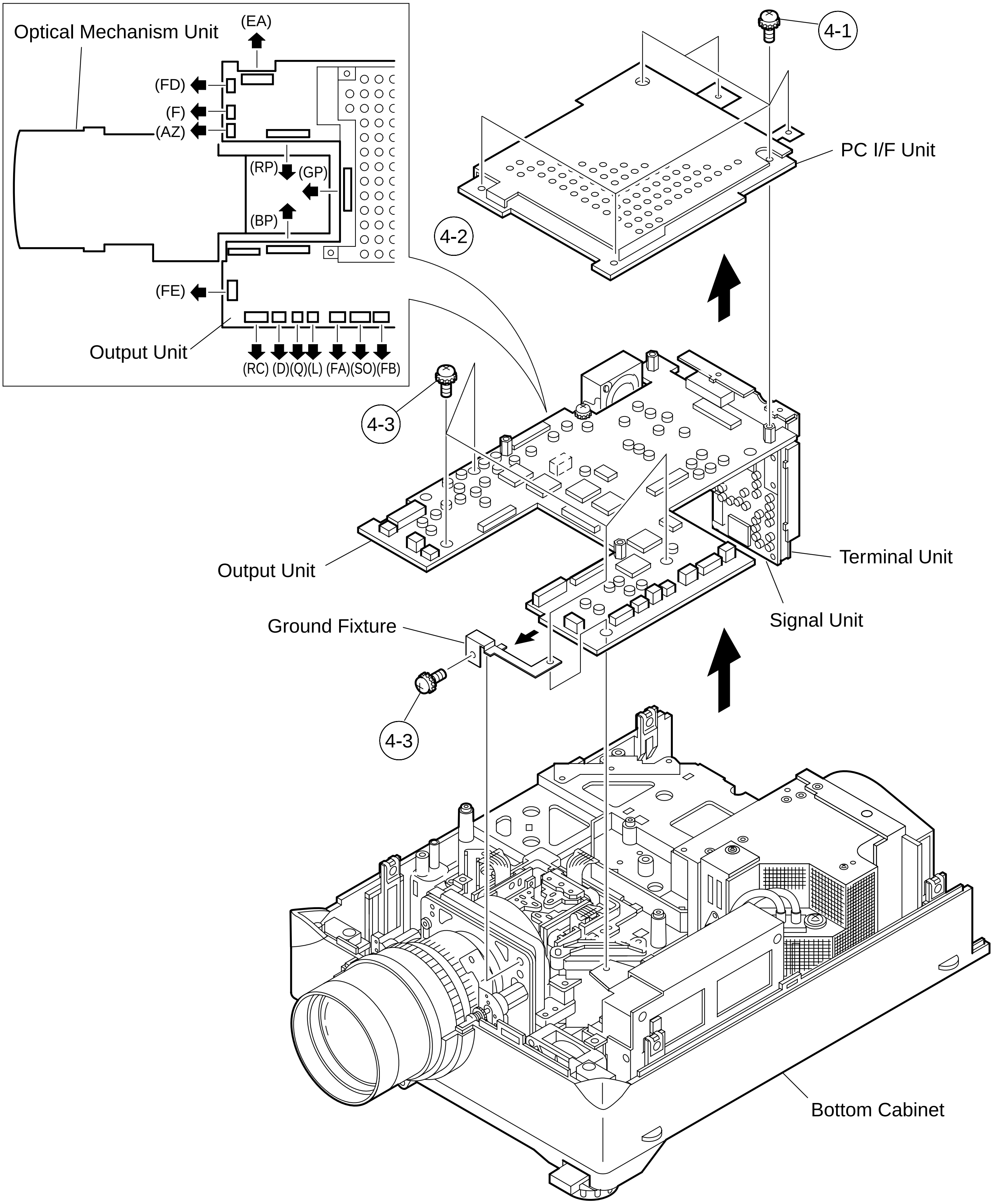
3-1. Remove the four lock screws off the top cabinet.

3-2. Unhook the top cabinet by pressing the center of both sides of the bottom cabinet as well as the hook on the front (all marked with ⁎). Slowly lift the back of the cabinet and disconnect the operation key unit connector (KY) and the speaker connector (SP). Then detach the top cabinet.


Operation Key Unit
Top Cabinet
3-1
3-1
(SP)
(KY)
3-2
⁎
⁎
⁎

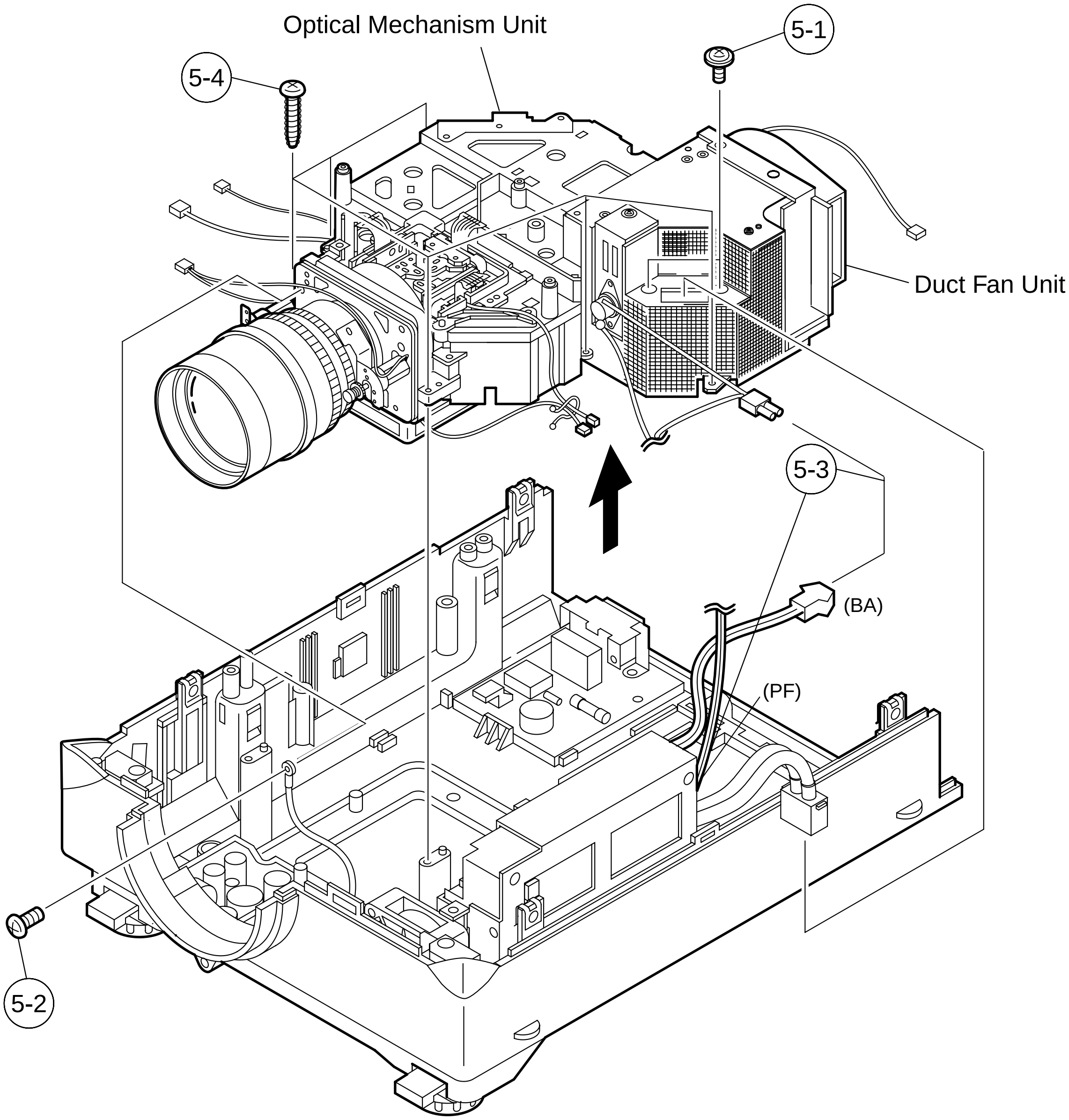
4. Removing the PWB units

4-1. Remove the six lock screws off the PC I/F unit. Lift and detach the unit off the output unit.
4-2. Disconnect the connectors from the output unit.
4-3. Remove the four lock screws off the output units. Remove also the lock screw off the ground fixture and detach the ground fixture. Lift and detach the output, terminal and signal units.


Optical Mechanism Unit
(EA)
(FD)
(F)
(AZ)
(RP)
(GP)
(BP)
(FE)
Output Unit
(RC) (D)(Q)(L) (FA)(SO)(FB)
4-1
PC I/F Unit
4-2
4-3
Output Unit
Terminal Unit
Signal Unit
Ground Fixture
4-3
Bottom Cabinet

5. Removing the optical mechanism unit

5-1. Remove the two lock screws off the lamp socket holder. Detach the holder.
5-2. Disconnect the ground wire from the power unit.
5-3. Disconnect the connector(BA) from AC power switch and connector (PF) from the ballust unit.
5-4. Remove the six lock screws off the optical mechanism unit. Lift and detach the unit.


Optical Mechanism Unit
5-1
5-4
Duct Fan Unit
5-3
(BA)
(PF)
5-2

6. Removing the ballast / PFC / sound-out unit assembly.

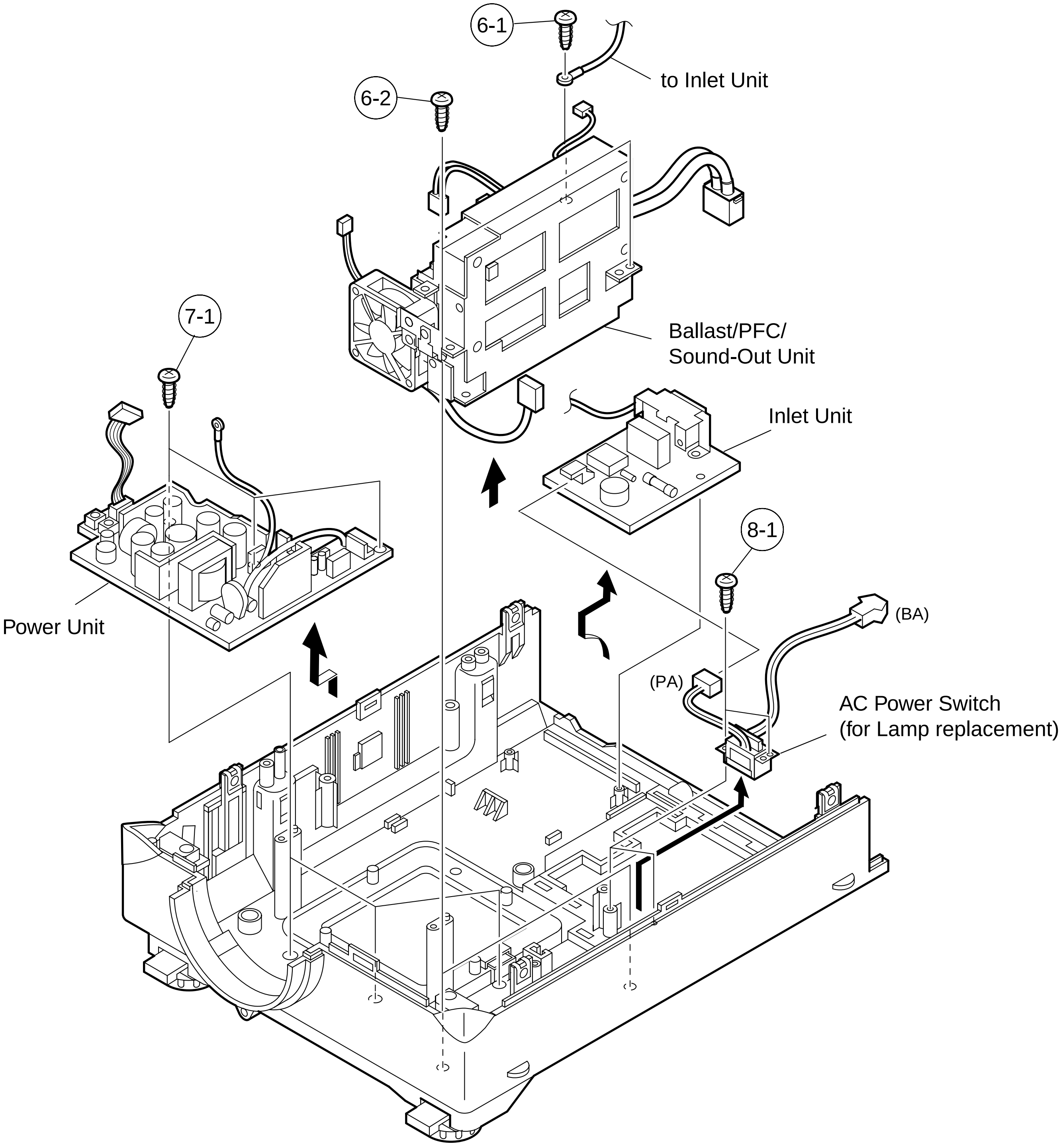
6-1. Disconnect the ground wire from the inlet unit.
6-2. Remove the two lock screws off the ballast/PFC/sound-out unit assembly. Detach the assembly.

7. Removing the power unit

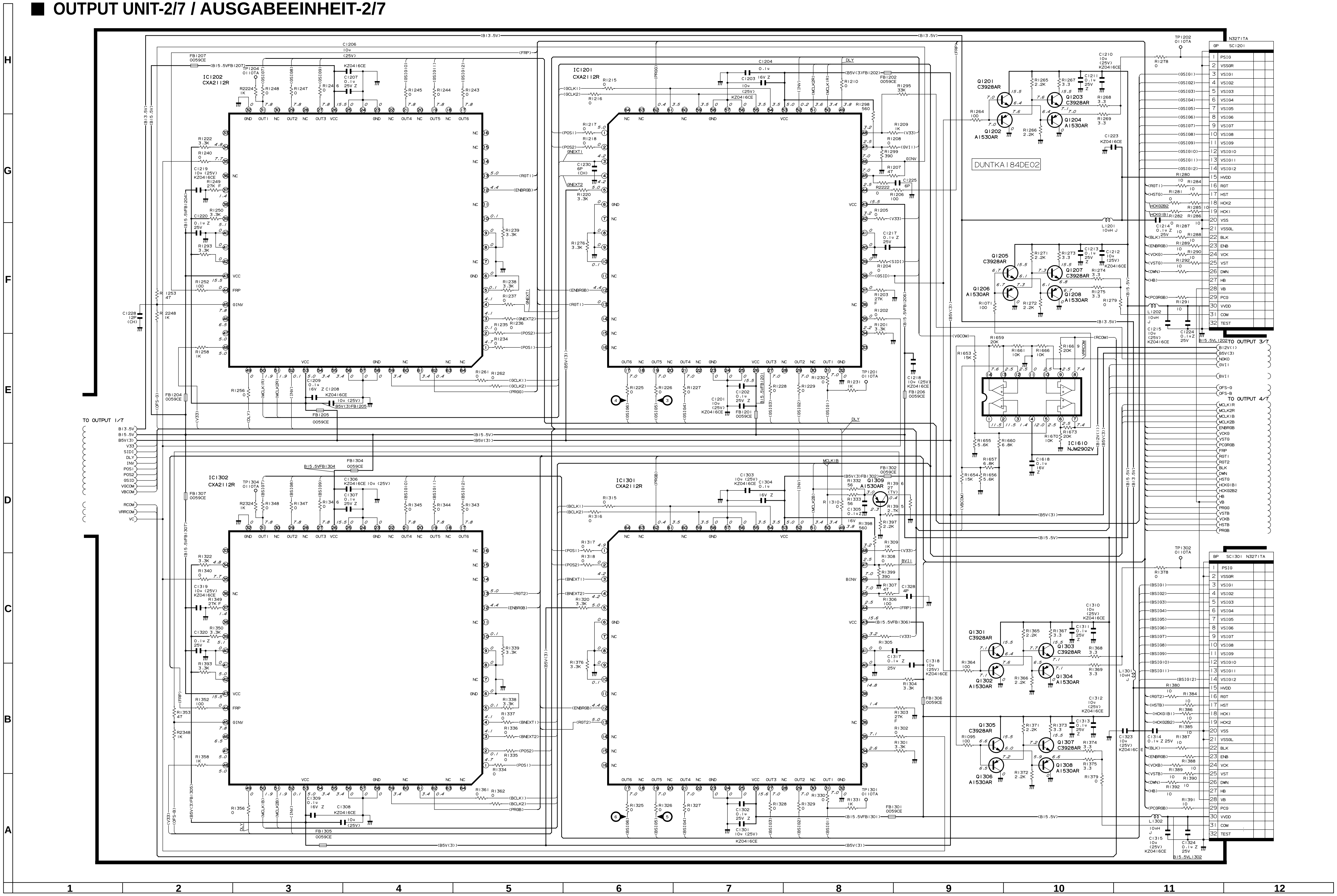
7-1. Remove the three lock screws off the power PWB. Detach the power unit.

8. Removing the AC power switch and inlet unit.

8-1. Remove the two lock screws off the AC power switch, disconnect the connector (PA) from the inlet unit, and detach the AC power switch and the inlet unit.


6-1
to Inlet Unit
6-2
7-1
Ballast/PFC/
Sound-Out Unit
Inlet Unit
8-1
Power Unit
(BA)
(PA)
AC Power Switch
(for Lamp replacement)

■ OUTPUT UNIT-2/7 / AUSGABEEINHEIT-2/7


IC1202
CXA2112R
IC1201
CXA2112R
IC1302
CXA2112R
IC1301
CXA2112R
IC1610
NJM2902V
Q1201
C3928AR
Q1202
A1530AR
Q1203
C3928AR
Q1204
A1530AR
Q1205
C3928AR
Q1206
A1530AR
Q1207
C3928AR
Q1208
A1530AR
Q1301
C3928AR
Q1302
A1530AR
Q1303
C3928AR
Q1304
A1530AR
Q1305
C3928AR
Q1306
A1530AR
Q1307
C3928AR
Q1308
A1530AR
Q1309
A1530AR
DUNTKA184DE02
SC1201
N3271TA
SC1301 N3271TA
TO OUTPUT 1/7
TO OUTPUT 3/7
TO OUTPUT 4/7
B13.5V
B15.5V
B5V(3)
V33
SIDI
DLY
INV
POS1
POS2
GSID
VGCOM
VBCOM
RCOM
VRRCOM
VC
1 PSIG
2 VSSGR
3 VSIG1
4 VSIG2
5 VSIG3
6 VSIG4
7 VSIG5
8 VSIG6
9 VSIG7
10 VSIG8
11 VSIG9
12 VSIG10
13 VSIG11
14 VSIG12
15 HVDD
16 RGT
17 HST
18 HCK2
19 HCK1
20 VSS
21 VSSGL
22 BLK
23 ENB
24 VCK
25 VST
26 DWN
27 HB
28 VB
29 PCG
30 VVDD
31 COM
32 TEST
H
G
F
E
D
C
B
A
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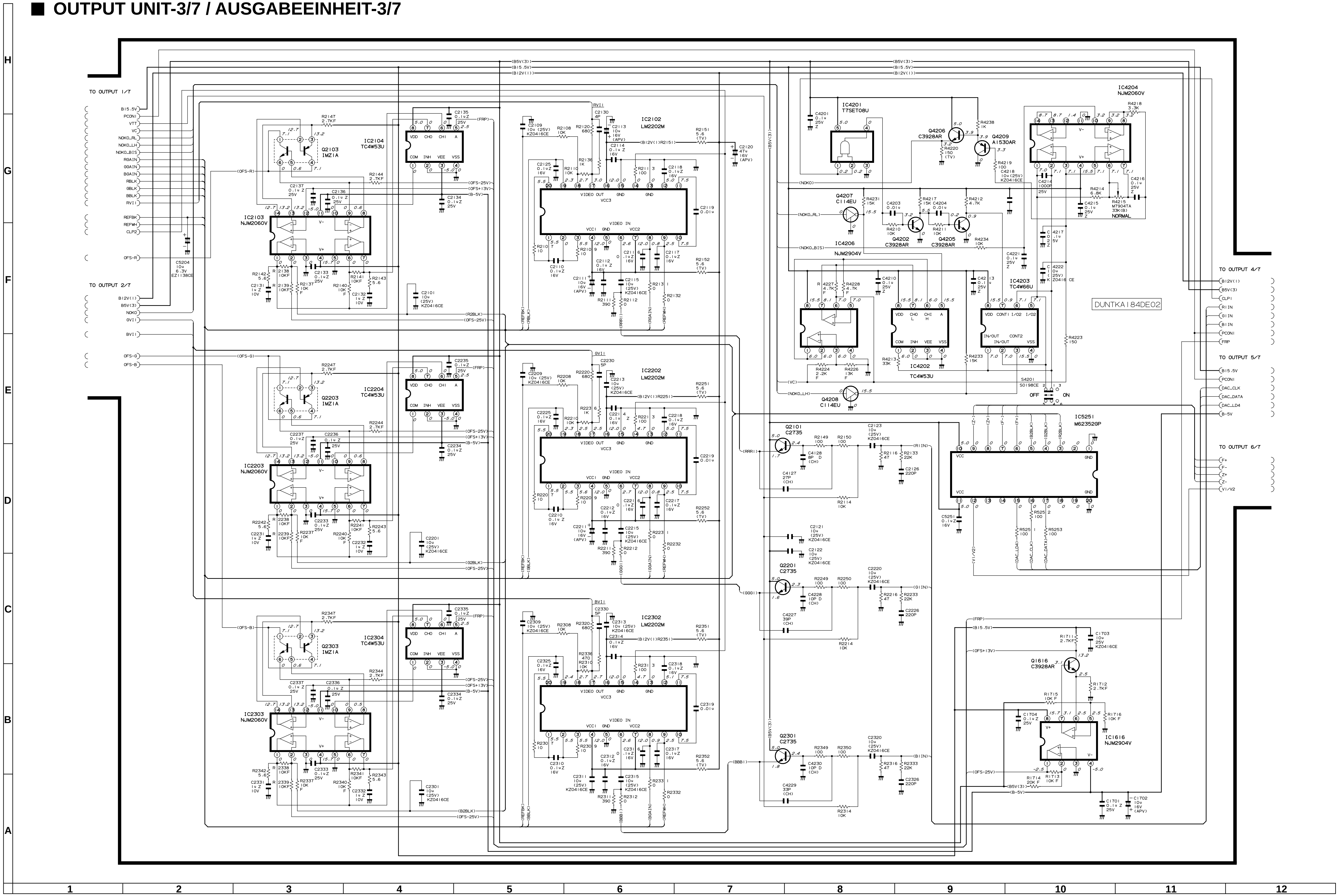
■ OUTPUT UNIT-3/7 / AUSGABEEINHEIT-3/7


TO OUTPUT 1/7
B15.5V
PCON1
VTT
VC
NOKO_RL
NOKO_LH
NOKO_BIS
RGAIN
GGAIN
BGAIN
RBLK
GBLK
BBLK
RV11
REFBK
REFWH
CLP2
OFS-R
TO OUTPUT 2/7
B12V(1)
B5V(3)
NOKO
GV11
BV11
OFS-G
OFS-B
IC2103 NJM2060V
Q2103 IMZ1A
IC2104 TC4W53U
IC2102 LM2202M
IC2203 NJM2060V
Q2203 IMZ1A
IC2204 TC4W53U
IC2202 LM2202M
IC2303 NJM2060V
Q2303 IMZ1A
IC2304 TC4W53U
IC2302 LM2202M
IC4201 T7SET08U
IC4204 NJM2060V
Q4206 C3928AR
Q4209 A1530AR
Q4207 C114EU
Q4202 C3928AR
Q4205 C3928AR
IC4206 NJM2904V
IC4203 TC4W66U
IC4202 TC4W53U
Q4208 C114EU
S4201 SO198CE
OFF
ON
DUNTKA184DE02
IC5251 M62352GP
Q2101 C2735
Q2201 C2735
Q2301 C2735
Q1616 C3928AR
IC1616 NJM2904V
NORMAL
TO OUTPUT 4/7
B12V(1)
B5V(3)
CLP1
R11N
G11N
B11N
PCON1
FRP
TO OUTPUT 5/7
B15.5V
PCON1
DAC_CLK
DAC_DATA
DAC_LD4
B-5V
TO OUTPUT 6/7
F+
F-
Z+
Z-
V1/V2
H
G
F
E
D
C
B
A
1
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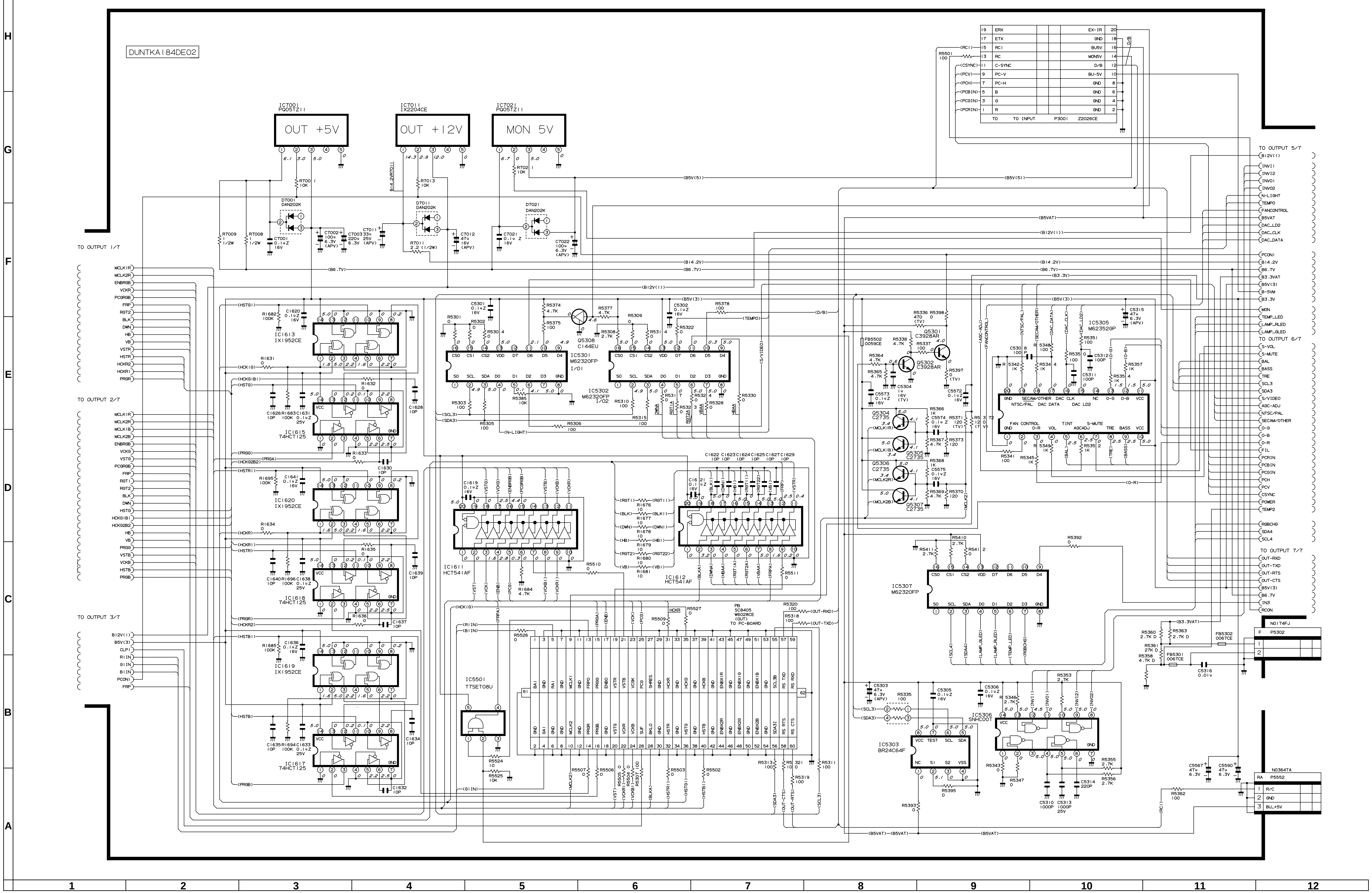
12

■ OUTPUT UNIT-4/7 / AUSGABEEINHEIT-4/7


DUNTKA184DE02
IC7001 PQ05TZ11 OUT +5V
IC7011 IX2204CE OUT +12V
IC7021 PQ05TZ11 MON 5V
D7001 DAN202K
D7011 DAN202K
D7021 DAN202K
TO OUTPUT 1/7
TO OUTPUT 2/7
TO OUTPUT 3/7
TO OUTPUT 5/7
TO OUTPUT 6/7
TO OUTPUT 7/7
IC1613 IX1952CE
IC1615 74HCT125
IC1620 IX1952CE
IC1618 74HCT125
IC1619 IX1952CE
IC1617 74HCT125
IC1611 HCT541AF
IC1612 HCT541AF
IC5301 M62320FP I/O1
IC5302 M62320FP I/O2
Q5308 C144EU
Q5301 C3928AR
Q5302 C3928AR
Q5304 C2735
Q5305 C2735
Q5306 C2735
Q5307 C2735
IC5305 M62352GP
IC5307 M62320FP
IC5501 T7SET08U
IC5303 BR24C64F
IC5306 SNHC00T
PB SC8405 W6028CE (OUT) TO PC-BOARD
TO TO INPUT P3001 Z2026CE
N0174FJ F P5302
N0364TA RA P5552
H
G
F
E
D
C
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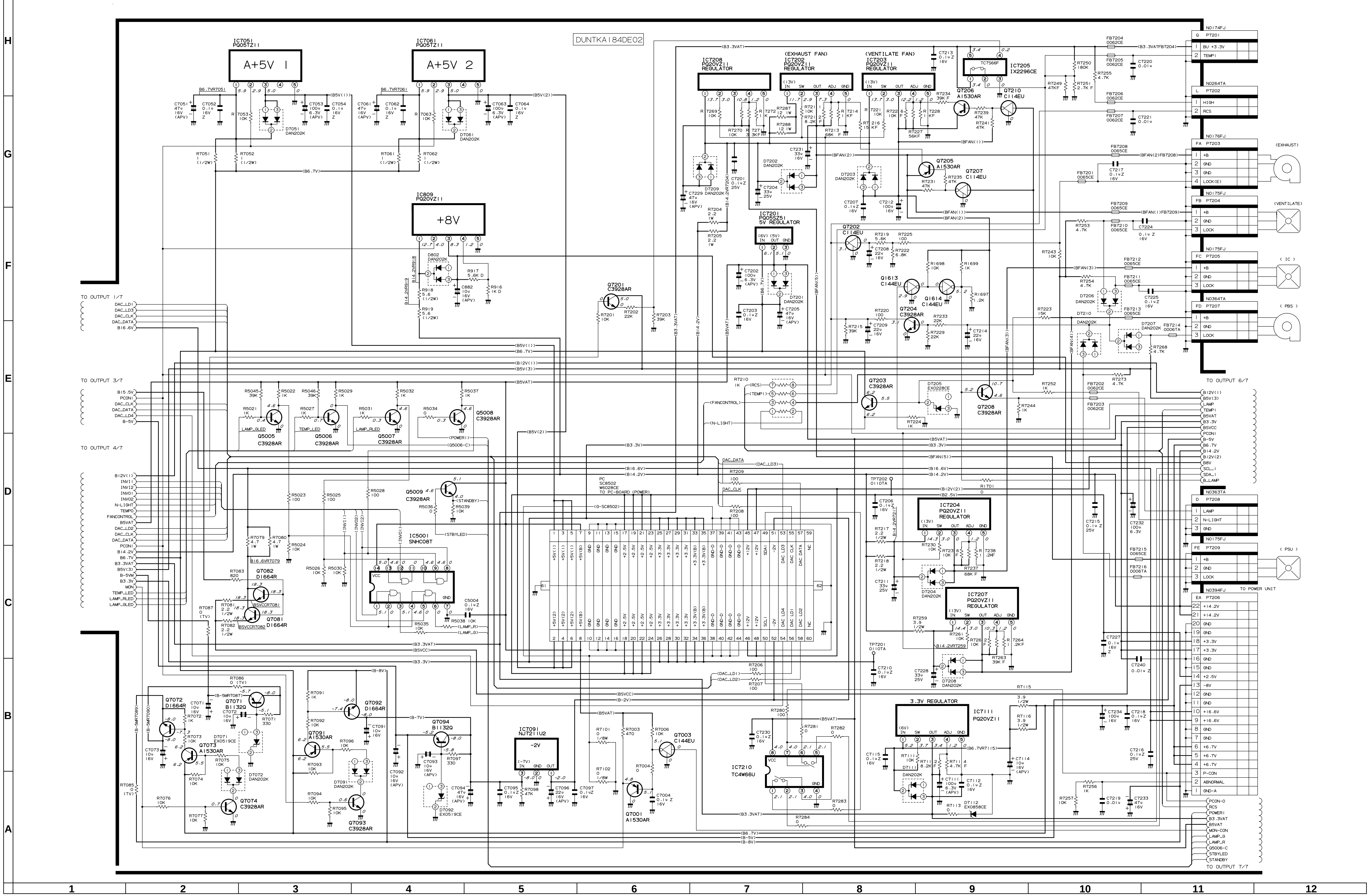
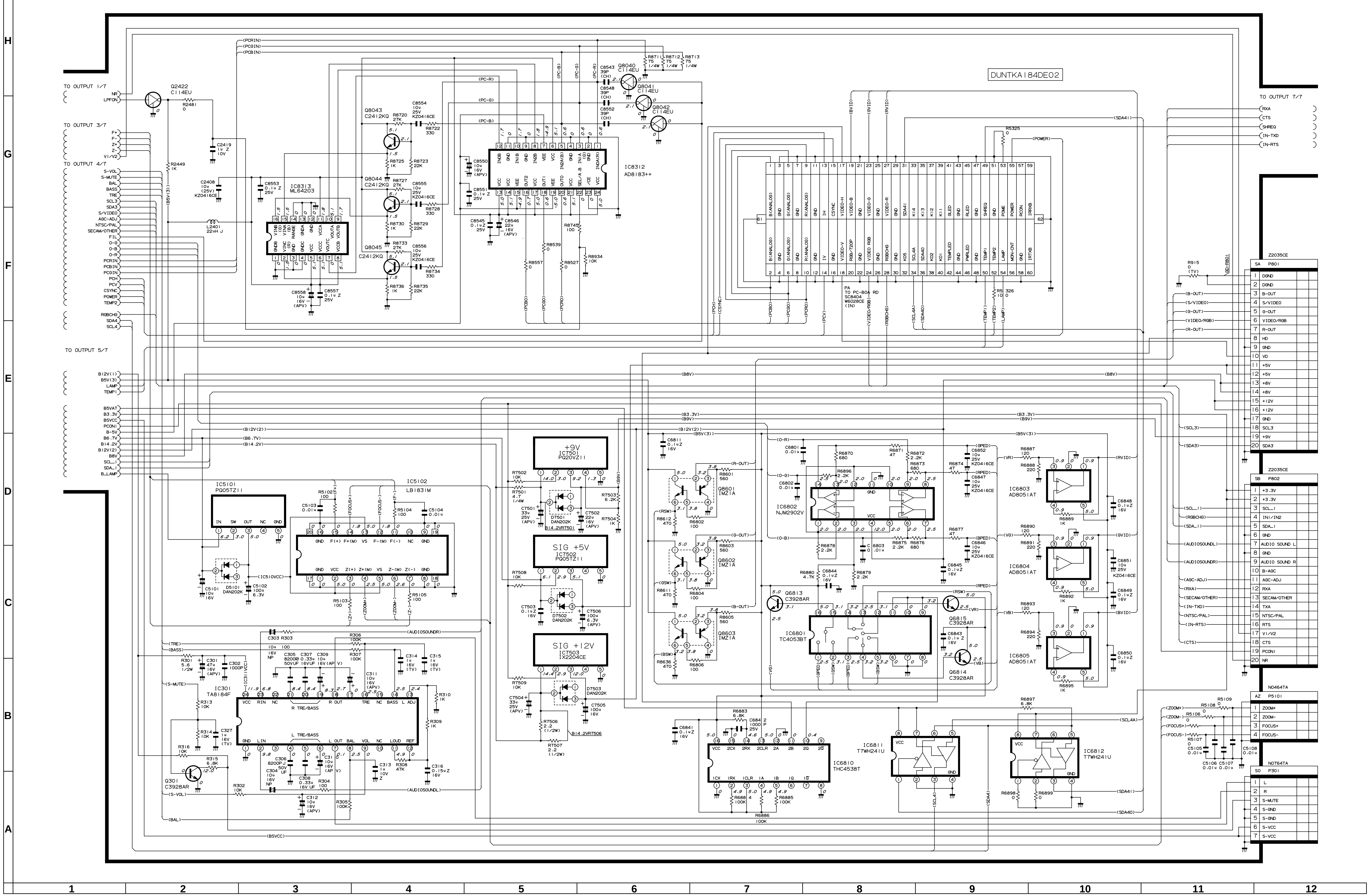
■ OUTPUT UNIT-5/7 / AUSGABEEINHEIT-5/7


DUNTKA184DE02
IC7051 PQ05TZ11 A+5V 1
IC7061 PQ05TZ11 A+5V 2
IC809 PQ20VZ11 +8V
IC7208 PQ20VZ11 REGULATOR
(EXHAUST FAN) IC7202 PQ20VZ11 REGULATOR
(VENTILATE FAN) IC7203 PQ20VZ11 REGULATOR
IC7205 IX2296CE
IC7201 PQ05SZ51 5V REGULATOR
IC7204 PQ20VZ11 REGULATOR
IC7207 PQ20VZ11 REGULATOR
IC5001 SN74HC08
IC7091 NJ7211U2 -2V
IC7210 TC4W66U
3.3V REGULATOR IC7111 PQ20VZ11
PC SC8502 W6028CE TO PC-BOARD (POWER)
TO OUTPUT 1/7
TO OUTPUT 3/7
TO OUTPUT 4/7
TO OUTPUT 6/7
TO OUTPUT 7/7
TO POWER UNIT
(EXHAUST)
(VENTILATE)
(IC)
(PBS)
(PSU)
P7201
P7202
P7203
P7204
P7205
P7207
P7208
P7209
P7206
1 2 3 4 5 6 7 8 9 10 11 12
A B C D E F G H

■ OUTPUT UNIT-6/7 / AUSGABEEINHEIT-6/7


TO OUTPUT 1/7
TO OUTPUT 3/7
TO OUTPUT 4/7
TO OUTPUT 5/7
TO OUTPUT 7/7
Q2422 C114EU
IC8313 ML64203
Q8043 C2412KQ
Q8044 C2412KQ
Q8045 C2412KQ
Q8040 C114EU
Q8041 C114EU
Q8042 C114EU
IC8312 AD8183++
DUNTKA184DE02
PA TO PC-BOARD SC8404 W6028CE (IN)
IC5101 PQ05TZ11
IC5102 LB1831M
+9V IC7501 PG20VZ11
SIG +5V IC7502 PQ05TZ11
SIG +12V IC7503 IX2204CE
IC301 TA8184F
Q301 C3928AR
Q8601 IMZ1A
Q8602 IMZ1A
Q8603 IMZ1A
IC6802 NJM2902V
Q6813 C3928AR
IC6801 TC4053BT
Q6815 C3928AR
Q6814 C3928AR
IC6803 AD8051AT
IC6804 AD8051AT
IC6805 AD8051AT
IC6810 THC4538T
IC6811 T7WH241U
IC6812 T7WH241U
Z2035CE SA P801
Z2035CE SB P802
N0464TA AZ P5101
N0764TA S0 P301
H
G
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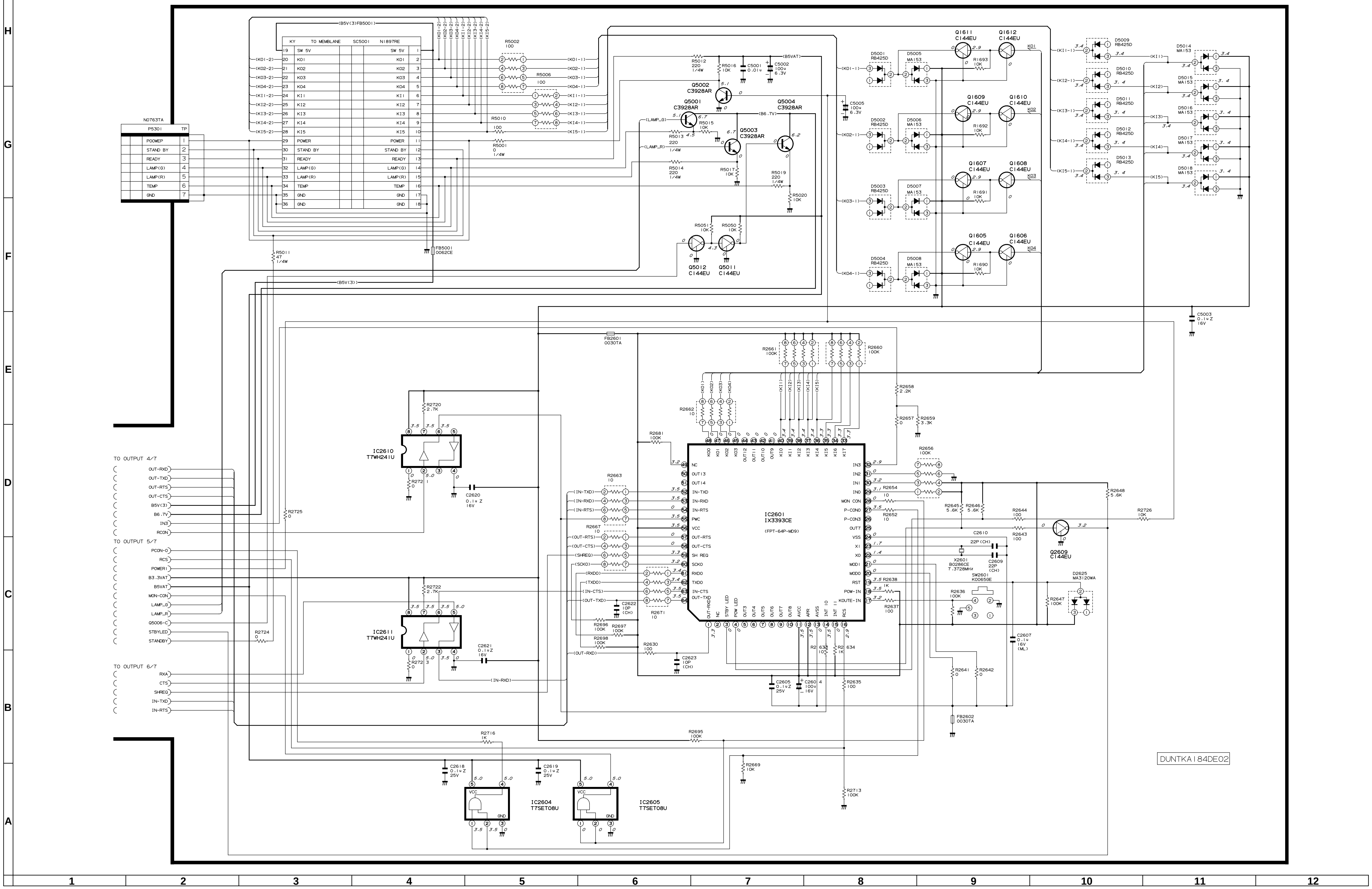
■ OUTPUT UNIT-7/7 / AUSGABEEINHEIT-7/7


H
G
F
E
D
C
B
A
1
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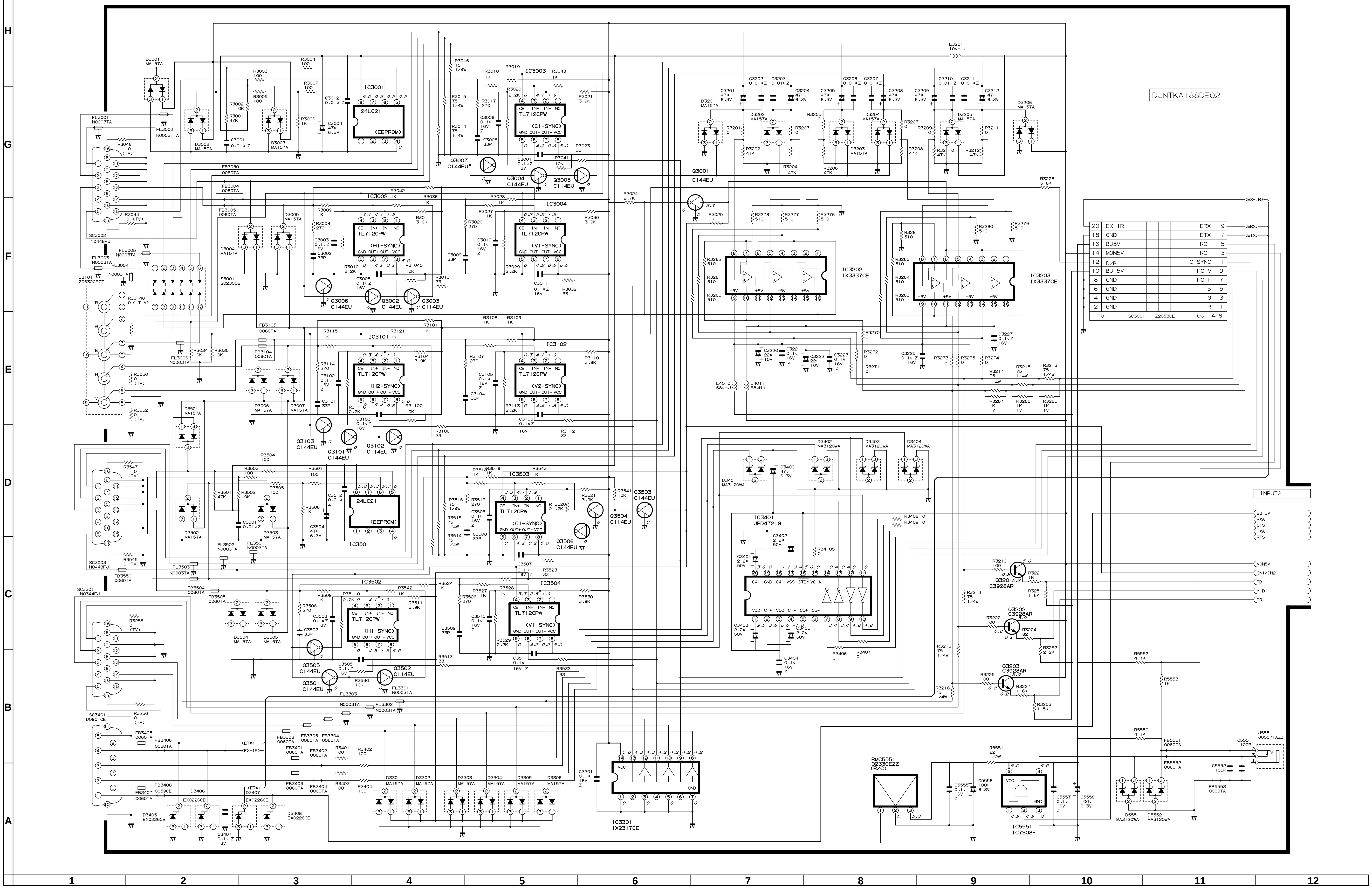
3
4
5
6
7
8
9
10
11
12
N0763TA
P5301
TP
POOWEP
STAND BY
READY
LAMP(G)
LAMP(R)
TEMP
GND
KY
TO MEMBLANE
SC5001
N1897RE
SW 5V
K01
K02
K03
K04
K11
K12
K13
K14
K15
POWER
(B5V(3)FB5001)
R5002 100
R5006 100
R5010 100
R5001 0 1/4W
R5011 47 1/4W
FB5001 0062CE
(B5V(3))
R5012 220 1/4W
R5016 10K
C5001 0.01u
C5002 100u 6.3V
(B5VAT)
Q5002 C3928AR
Q5001 C3928AR
Q5003 C3928AR
Q5004 C3928AR
C5005 100u 6.3V
(LAMP_G)
(LAMP_R)
(B6.7V)
R5015 10K
R5013 220
R5014 220 1/4W
R5017 10K
R5019 220 1/4W
R5020 10K
R5051 10K
R5050 10K
Q5012 C144EU
Q5011 C144EU
Q1611 C144EU
Q1612 C144EU
Q1609 C144EU
Q1610 C144EU
Q1607 C144EU
Q1608 C144EU
Q1605 C144EU
Q1606 C144EU
R1693 10K
R1692 10K
R1691 10K
R1690 10K
D5001 RB425D
D5002 RB425D
D5003 RB425D
D5004 RB425D
D5005 MA153
D5006 MA153
D5007 MA153
D5008 MA153
D5009 RB425D
D5010 RB425D
D5011 RB425D
D5012 RB425D
D5013 RB425D
D5014 MA153
D5015 MA153
D5016 MA153
D5017 MA153
D5018 MA153
C5003 0.1u Z 16V
FB2601 0030TA
R2661 100K
R2660 100K
R2662 10
R2658 2.2K
R2657 0
R2659 3.3K
R2681 100K
R2656 100K
R2654 10
R2652 10
R2645 5.6K
R2646 5.6K
R2644 100
R2643 100
R2648 5.6K
R2726 10K
Q2609 C144EU
C2610 22P (CH)
X2601 B0286CE 7.3728MHz
C2609 22P (CH)
SW2601 K0065GE
D2625 MA3120WA
R2647 100K
R2636 100K
R2638 1K
R2637 100
C2607 0.1u 16V (ML)
R2641 0
R2642 0
FB2602 0030TA
R2633 10
R2634 1K
R2635 100
C2605 0.1u Z 25V
C2604 100u 16V
IC2601 IX3393CE (FPT-64P-M09)
NC
OUT13
OUT14
IN-TXD
IN-RXD
IN-RTS
PWC
VCC
OUT-RTS
OUT-CTS
SH REQ
SCK0
RXD0
TXD0
IN-CTS
OUT-TXD
IN3
IN2
IN1
IN0
MON CON
P-CON0
P-CON3
OUT7
VSS
X1
X0
MOD1
MOD0
RST
POW-IN
KOUTE-IN
R2663 10
R2667 10
R2671 10
R2696 100K
R2697 100K
R2698 100K
R2630 100
C2622 10P (CH)
C2623 10P (CH)
R2720 2.7K
R2722 2.7K
IC2610 T7WH241U
IC2611 T7WH241U
R2721 0
R2723 0
C2620 0.1u Z 16V
C2621 0.1u Z 16V
R2725 0
R2724 0
(IN-RXD)
TO OUTPUT 4/7
OUT-RXD
OUT-TXD
OUT-RTS
OUT-CTS
B5V(3)
B6.7V
IN3
RCON
TO OUTPUT 5/7
PCON-0
RCS
POWER1
B3.3VAT
B5VAT
MON-CON
LAMP_G
LAMP_R
Q5006-C
STBYLED
STANDBY
TO OUTPUT 6/7
RXA
CTS
SHREQ
IN-TXD
IN-RTS
R2716 1K
R2695 100K
R2669 10K
R2713 100K
C2618 0.1u Z 25V
C2619 0.1u Z 25V
IC2604 T7SET08U
IC2605 T7SET08U
VCC
GND
DUNTKA184DE02

■ TERMINAL UNIT-1/2 / ANSCHLUßEINHEIT-1/2


H
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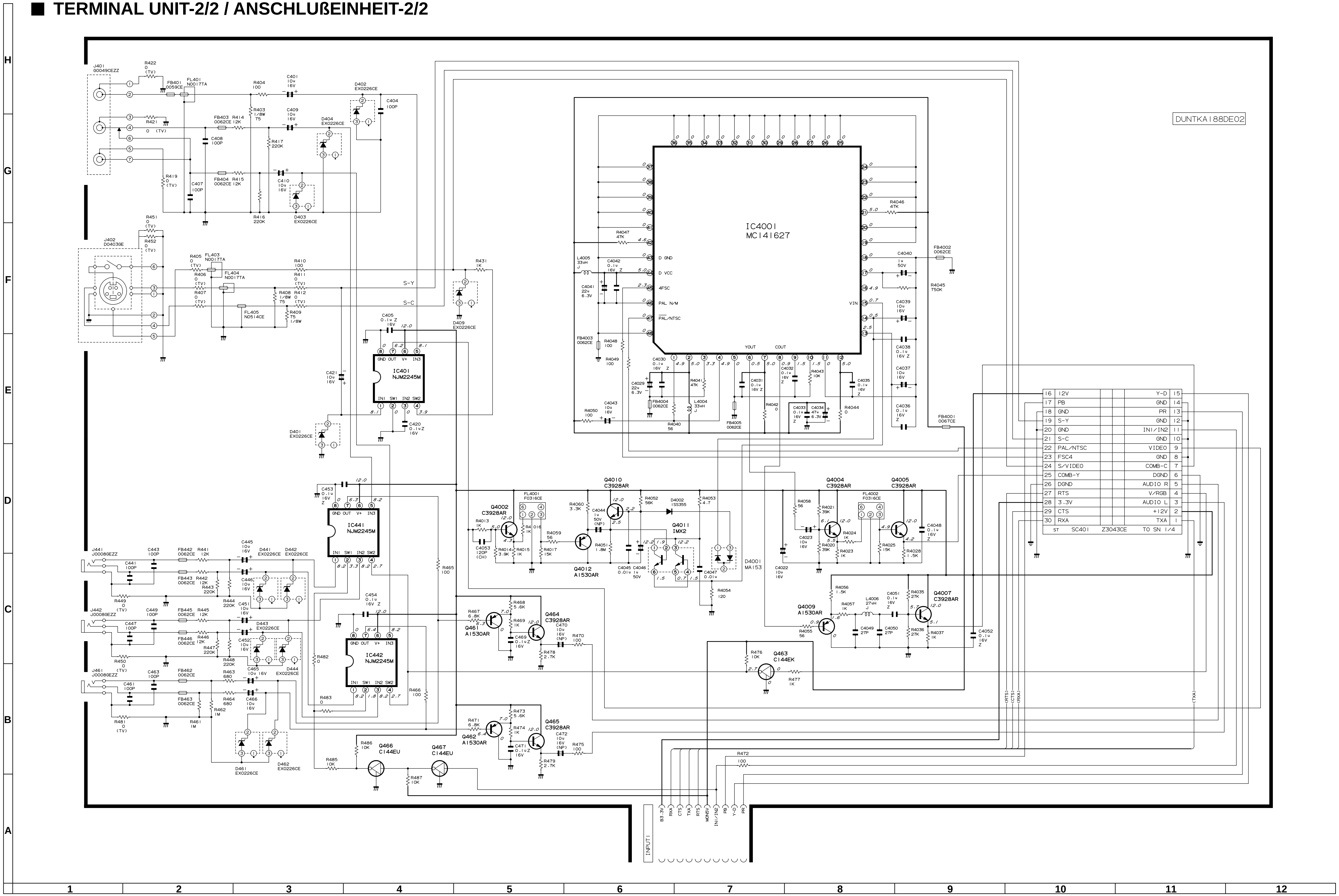
12
DUNTKA188DE02
IC3001 24LC21 (EEPROM)
IC3003 TL712CPW (C1-SYNC)
IC3002 TL712CPW (H1-SYNC)
IC3004 TL712CPW (V1-SYNC)
IC3101 TL712CPW (H2-SYNC)
IC3102 TL712CPW (V2-SYNC)
IC3501 24LC21 (EEPROM)
IC3503 TL712CPW (C1-SYNC)
IC3502 TL712CPW (H1-SYNC)
IC3504 TL712CPW (V1-SYNC)
IC3202 IX3337CE
IC3203 IX3337CE
IC3401 UPD4721G
IC3301 IX2317CE
IC5551 TC7S08F
RMC5551 0233CEZZ (R/C)
Q3001 C144EU
Q3002 C144EU
Q3003 C114EU
Q3004 C144EU
Q3005 C114EU
Q3006 C144EU
Q3007 C144EU
Q3101 C144EU
Q3102 C114EU
Q3103 C144EU
Q3501 C144EU
Q3502 C114EU
Q3503 C144EU
Q3504 C114EU
Q3505 C144EU
Q3506 C144EU
Q3201 C3928AR
Q3202 C3928AR
Q3203 C3928AR
J3101 Z0632CEZZ
SC3002 N0448FJ
SC3003 N0448FJ
SC3301 N0344FJ
SC3401 D0901CE
S3001 S0230CE
J5551 J000TTAZZ
L3201 10uH J
L4010 68uHJ
L4011 68uHJ
20 EX-IR ERX 19
18 GND ETX 17
16 BU5V RC1 15
14 MON5V RC 13
12 D/B C-SYNC 11
10 BU-5V PC-V 9
8 GND PC-H 7
6 GND B 5
4 GND G 3
2 GND R 1
TO SC3001 Z2058CE OUT 4/6
(EX-IR)
(ERX)
(ETX)
INPUT2
B3.3V
RXA
CTS
TXA
RTS
MON5V
IN1/IN2
PB
Y-D
PR
(ETX)
(EX-IR)
(ERX)

■ TERMINAL UNIT-2/2 / ANSCHLUßEINHEIT-2/2


H
G
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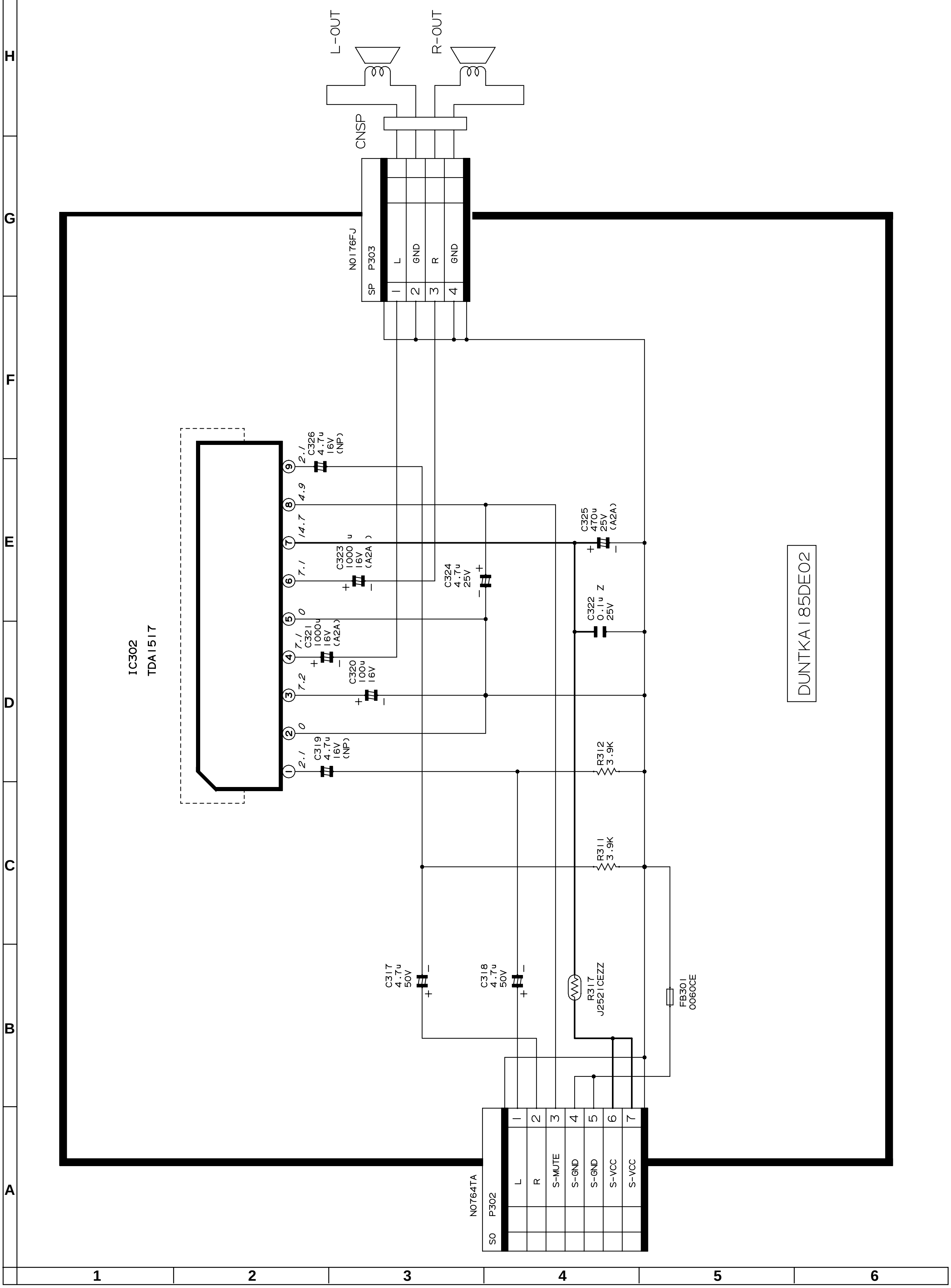
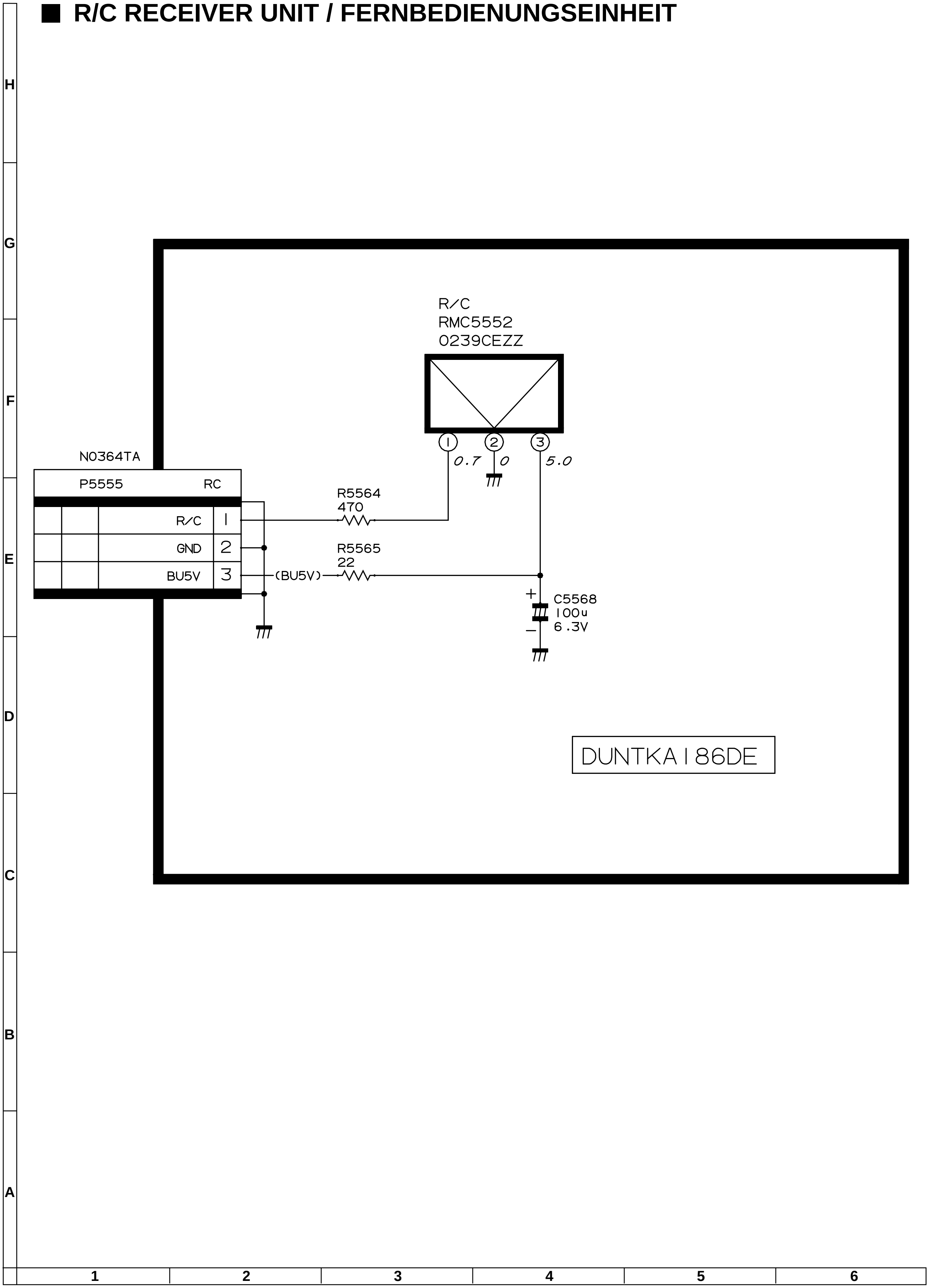
12
DUNTKA188DE02
J401 QJ0049CEZZ
J402 D04030E
J441 J00080EZZ
J442 J00080EZZ
J461 J00080EZZ
IC4001 MC141627
IC401 NJM2245M
IC441 NJM2245M
IC442 NJM2245M
Q4010 C3928AR
Q4002 C3928AR
Q4004 C3928AR
Q4005 C3928AR
Q4007 C3928AR
Q4009 A1530AR
Q4011 IMX2
Q4012 A1530AR
Q461 A1530AR
Q462 A1530AR
Q463 C144EK
Q464 C3928AR
Q465 C3928AR
Q466 C144EU
Q467 C144EU
D4001 MA153
D4002 1SS355
D401 EX0226CE
D402 EX0226CE
D403 EX0226CE
D404 EX0226CE
D409 EX0226CE
FL401 N0017TA
FL403 N0017TA
FL404 N0017TA
FL405 N0514CE
FL4001 F0316CE
FL4002 F0316CE
FB4001 0067CE
FB4002 0062CE
S-Y
S-C
SC401 Z3043CE TO SN 1/4
16 12V
17 PB
18 GND
19 S-Y
20 GND
21 S-C
22 PAL/NTSC
23 FSC4
24 S/VIDEO
25 COMB-Y
26 DGND
27 RTS
28 3.3V
29 CTS
30 RXA
Y-D 15
GND 14
PR 13
GND 12
IN1/IN2 11
GND 10
VIDEO 9
GND 8
COMB-C 7
DGND 6
AUDIO R 5
V/RGB 4
AUDIO L 3
+12V 2
TXA 1
INPUT1
B3.3V
RXA
CTS
TXA
RTS
MONSV
IN1/IN2
PB
Y-D
PR

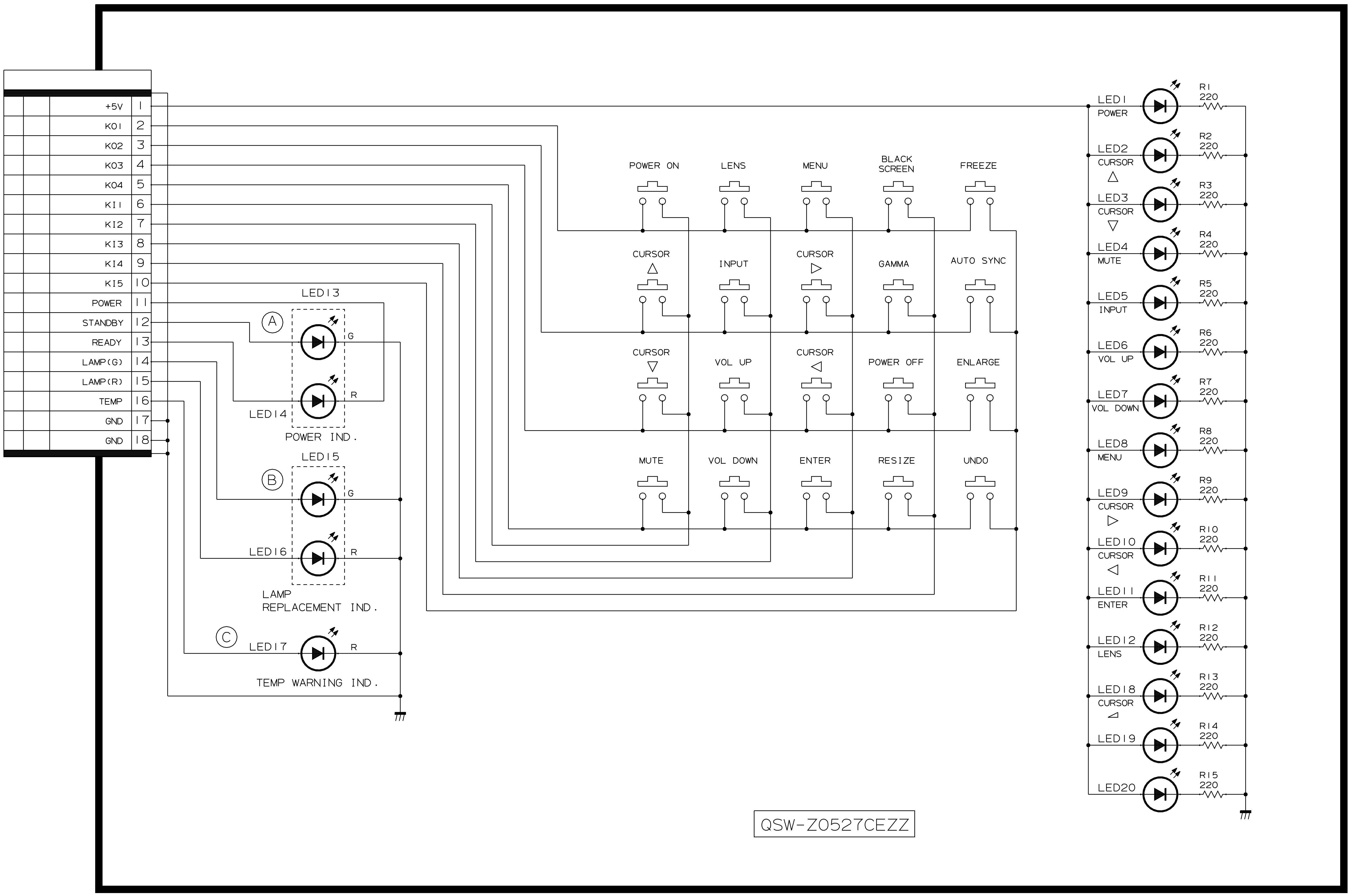
■ SOUND OUT UNIT / TONAUSGABEEINHEIT


H
G
F
E
D
C
B
A
1
2
3
4
5
6
L-OUT
R-OUT
CNSP
SP
N0176FJ
P303
L
GND
R
GND
IC302
TDA1517
C326 4.7u 16V (NP)
C325 470u 25V (A2A)
C323 1000u 16V (A2A)
C324 4.7u 25V
C322 0.1u Z 25V
C321 1000u 16V (A2A)
C320 100u 16V
C319 4.7u 16V (NP)
R312 3.9K
R311 3.9K
C317 4.7u 50V
C318 4.7u 50V
R317 J2521CEZZ
FB301 0060CE
DUNTKA185DE02
2.1
4.9
14.7
7.1
0
7.1
7.2
0
2.1
SO
N0764TA
P302
S-MUTE
S-GND
S-VCC

■ R/C RECEIVER UNIT / FERNBEDIENUNGSEINHEIT

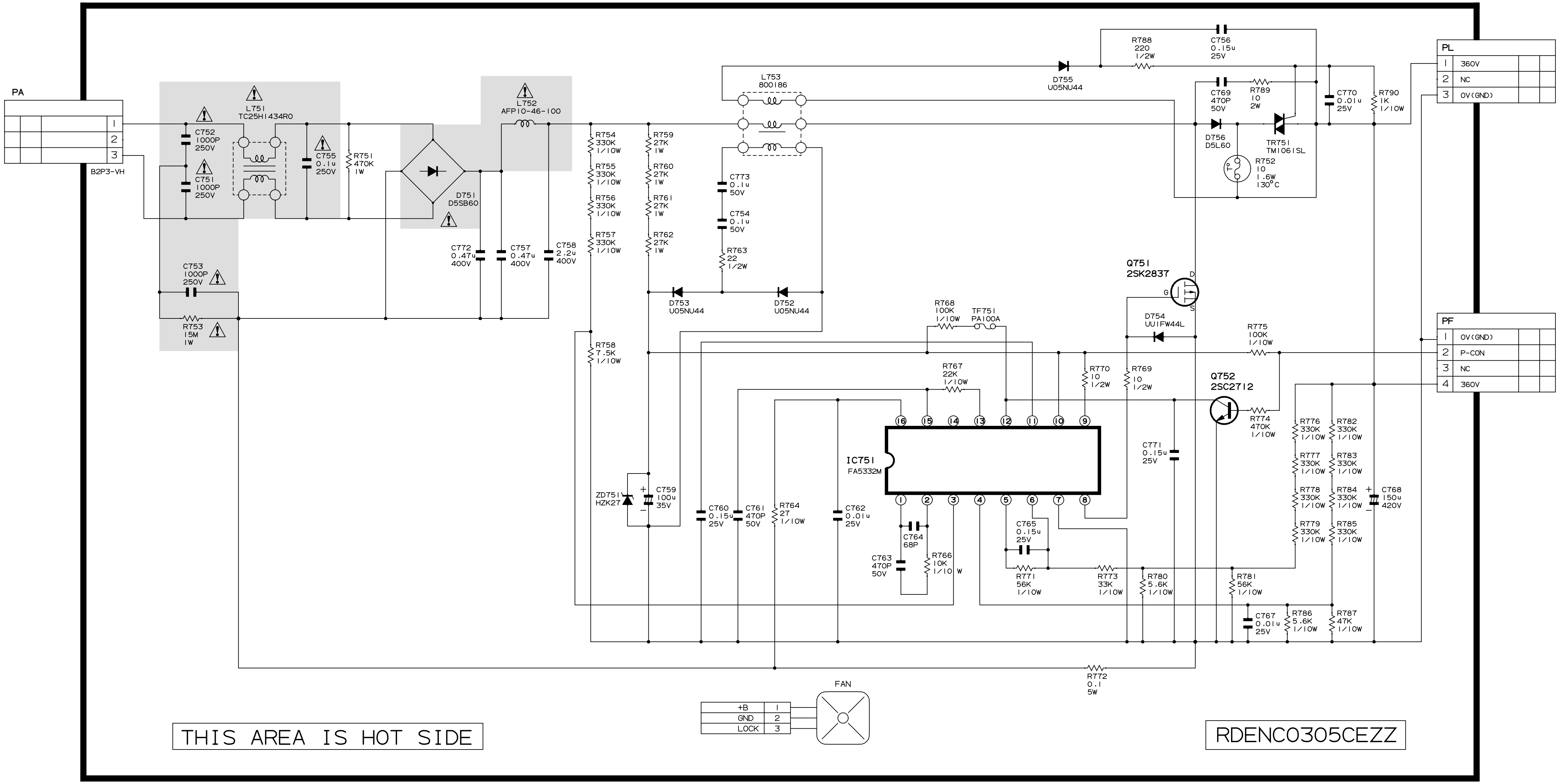

R/C
RMC5552
0239CEZZ
①
②
③
0.7
0
5.0
N0364TA
P5555
RC
R/C 1
GND 2
BU5V 3
(BU5V)
R5564
470
R5565
22
C5568
100u
6.3V
+
−
DUNTKA186DE
H
G
F
E
D
C
B
A
1
2
3
4
5
6

■ OPERATION KEY UNIT / BEDIENUNGSTASTENEINHEIT

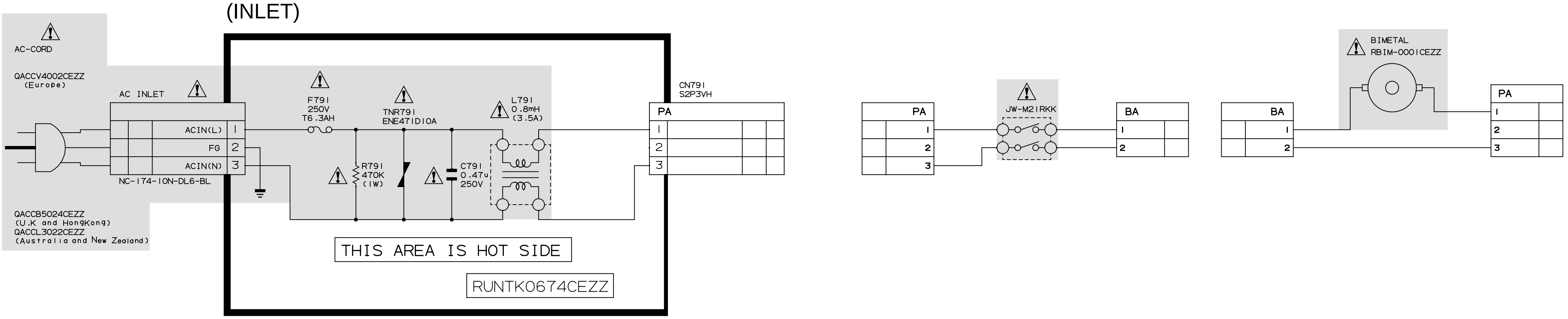

+5V 1
KO1 2
KO2 3
KO3 4
KO4 5
KI1 6
KI2 7
KI3 8
KI4 9
KI5 10
POWER 11
STANDBY 12
READY 13
LAMP(G) 14
LAMP(R) 15
TEMP 16
GND 17
GND 18
LED13
A
G
LED14
R
POWER IND.
LED15
B
G
LED16
R
LAMP
REPLACEMENT IND.
C
LED17
R
TEMP WARNING IND.
POWER ON
LENS
MENU
BLACK SCREEN
FREEZE
CURSOR △
INPUT
CURSOR ▷
GAMMA
AUTO SYNC
CURSOR ▽
VOL UP
CURSOR ◁
POWER OFF
ENLARGE
MUTE
VOL DOWN
ENTER
RESIZE
UNDO
LED1 POWER
R1 220
LED2 CURSOR △
R2 220
LED3 CURSOR ▽
R3 220
LED4 MUTE
R4 220
LED5 INPUT
R5 220
LED6 VOL UP
R6 220
LED7 VOL DOWN
R7 220
LED8 MENU
R8 220
LED9 CURSOR ▷
R9 220
LED10 CURSOR ◁
R10 220
LED11 ENTER
R11 220
LED12 LENS
R12 220
LED18 CURSOR ⊿
R13 220
LED19
R14 220
LED20
R15 220
QSW-Z0527CEZZ
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12

PFC AND INLET UNIT / LEITUNGSFILTER-SCHALTUNG UND EINGANGSEINHEIT

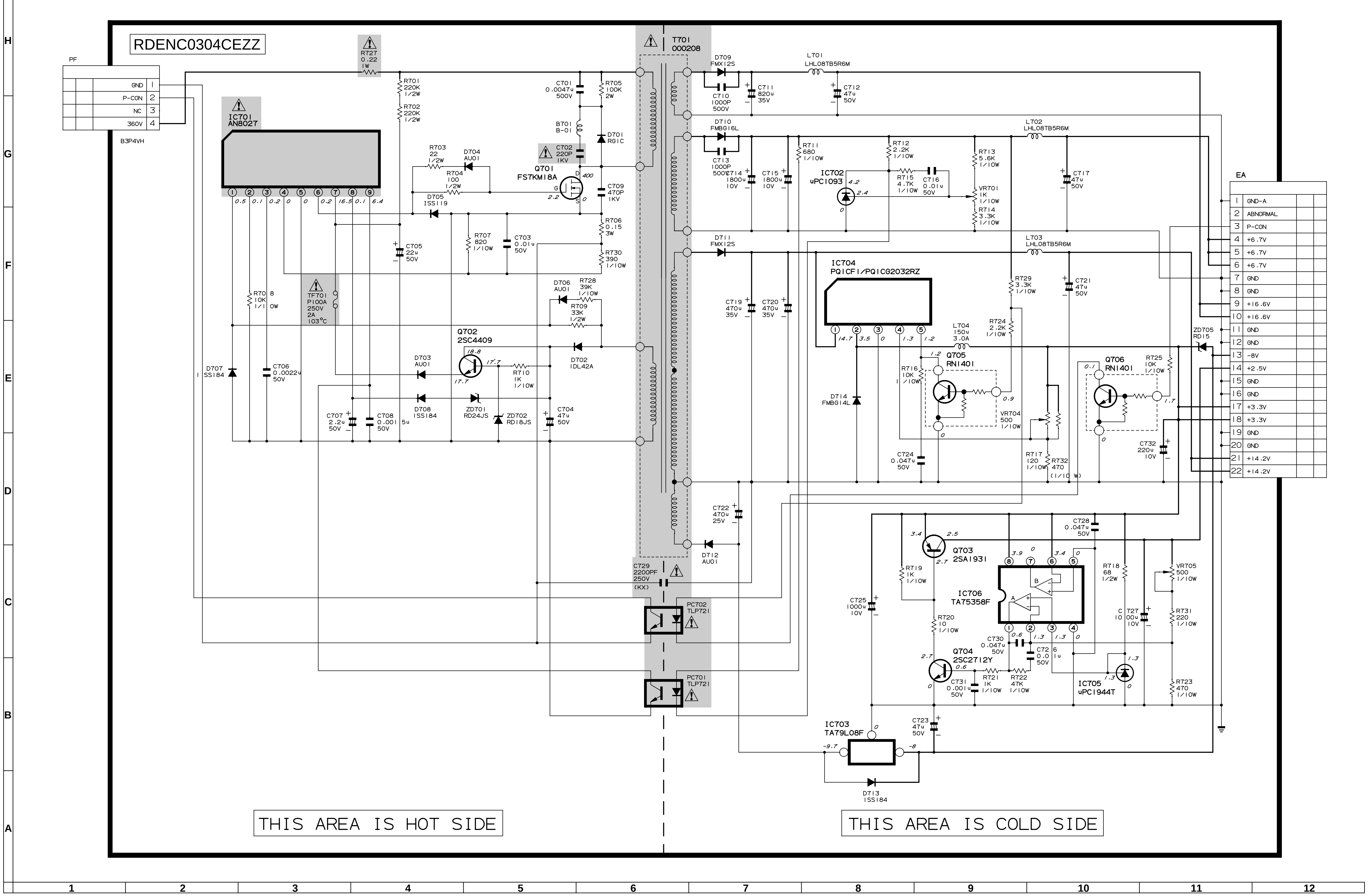
(PFC)


PA
B2P3-VH
L751
TC25H1434R0
C752
1000P
250V
C751
1000P
250V
C755
0.1u
250V
R751
470K
1W
L752
AFP10-46-100
D751
D5SB60
C753
1000P
250V
R753
15M
1W
C772
0.47u
400V
C757
0.47u
400V
C758
2.2u
400V
R754
330K
1/10W
R755
330K
1/10W
R756
330K
1/10W
R757
330K
1/10W
R758
7.5K
1/10W
R759
27K
1W
R760
27K
1W
R761
27K
1W
R762
27K
1W
L753
800186
C773
0.1u
50V
C754
0.1u
50V
R763
22
1/2W
D753
U05NU44
D752
U05NU44
D755
U05NU44
R788
220
1/2W
C756
0.15u
25V
C769
470P
50V
R789
10
2W
D756
D5L60
TR751
TM1061SL
R752
10
1.6W
130°C
C770
0.01u
25V
R790
1K
1/10W
PL
1 360V
2 NC
3 0V(GND)
Q751
2SK2837
D
G
S
D754
U1FW44L
R768
100K
1/10W
TF751
PA100A
R775
100K
1/10W
PF
1 0V(GND)
2 P-CON
3 NC
4 360V
R767
22K
1/10W
R770
10
1/2W
R769
10
1/2W
Q752
2SC2712
R774
470K
1/10W
R776
330K
1/10W
R782
330K
1/10W
R777
330K
1/10W
R783
330K
1/10W
R778
330K
1/10W
R784
330K
1/10W
C768
150u
420V
R779
330K
1/10W
R785
330K
1/10W
IC751
FA5332M
16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8
C771
0.15u
25V
ZD751
HZK27
C759
100u
35V
C760
0.15u
25V
C761
470P
50V
R764
27
1/10W
C762
0.01u
25V
C764
68P
C763
470P
50V
R766
10K
1/10 W
C765
0.15u
25V
R771
56K
1/10W
R773
33K
1/10W
R780
5.6K
1/10W
R781
56K
1/10W
C767
0.01u
25V
R786
5.6K
1/10W
R787
47K
1/10W
R772
0.1
5W
FAN
+B 1
GND 2
LOCK 3
THIS AREA IS HOT SIDE
RDENC0305CEZZ

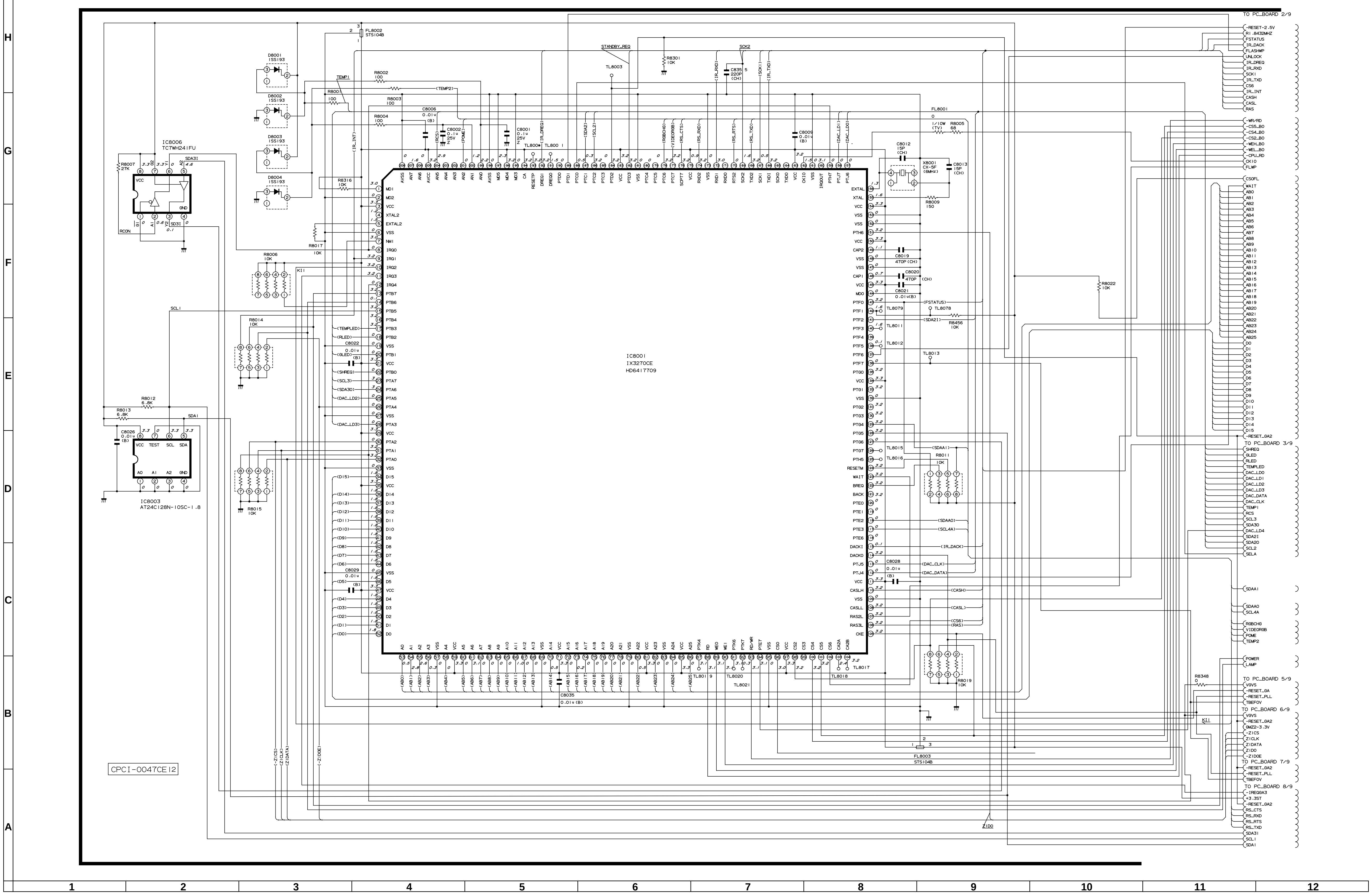
(INLET)


AC-CORD
QACCV4002CEZZ
(Europe)
AC INLET
ACIN(L) 1
FG 2
ACIN(N) 3
NC-174-10N-DL6-BL
QACCB5024CEZZ
(U.K and HongKong)
QACCL3022CEZZ
(Australia and New Zealand)
F791
250V
T6.3AH
TNR791
ENE471D10A
R791
470K
(1W)
C791
0.47u
250V
L791
0.8mH
(3.5A)
CN791
S2P3VH
PA
1
2
3
THIS AREA IS HOT SIDE
RUNTK0674CEZZ
PA
1
2
3
JW-M21RKK
BA
1
2
BA
1
2
BIMETAL
RBIM-0001CEZZ
PA
1
2
3

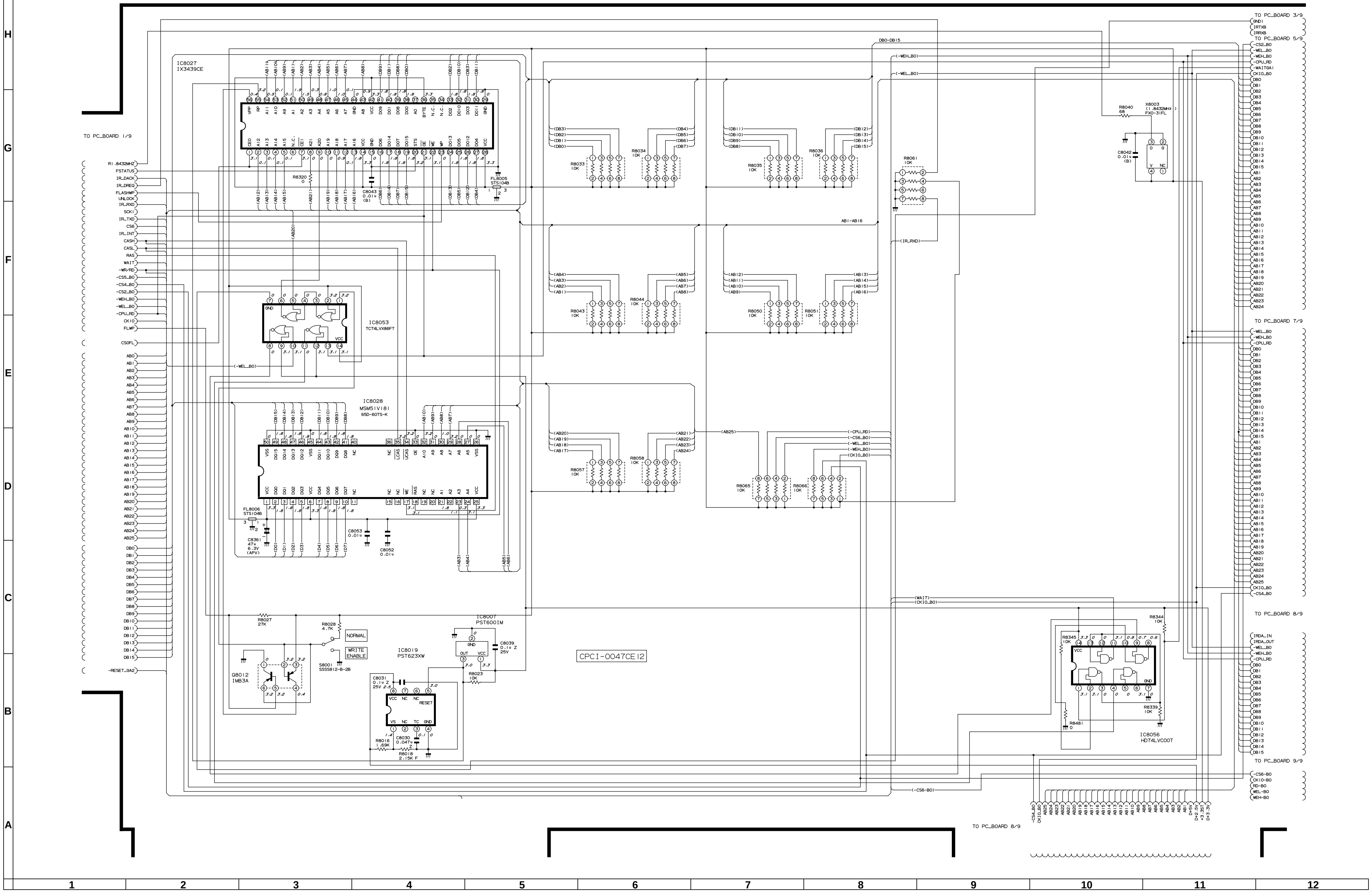
■ POWER UNIT / NETZEINHEIT


RDENC0304CEZZ
PF
GND 1
P-CON 2
NC 3
360V 4
B3P4VH
R727 0.22 1W
IC701 AN8027
R701 220K 1/2W
R702 220K 1/2W
C701 0.0047u 500V
R705 100K 2W
B701 B-01
D701 RG1C
C702 220P 1KV
Q701 FS7KM18A
C709 470P 1KV
R703 22 1/2W
D704 AU01
R704 100 1/2W
D705 1SS119
R706 0.15 3W
R707 820 1/10W
C703 0.01u 50V
C705 22u 50V
R730 390 1/10W
R708 10K 1/10W
TF701 P100A 250V 2A 103°C
D706 AU01
R728 39K 1/10W
R709 33K 1/2W
Q702 2SC4409
D703 AU01
D702 1DL42A
R710 1K 1/10W
D707 1SS184
C706 0.0022u 50V
C707 2.2u 50V
C708 0.001 50V
D708 1SS184
ZD701 RD24JS
ZD702 RD18JS
C704 47u 50V
T701 000208
D709 FMX12S
C710 1000P 500V
C711 820u 35V
L701 LHL08TB5R6M
C712 47u 50V
D710 FMBG16L
C713 1000P 500V
C714 1800u 10V
C715 1800u 10V
R711 680 1/10W
IC702 uPC1093
R712 2.2K 1/10W
R715 4.7K 1/10W
C716 0.01u 50V
R713 5.6K 1/10W
VR701 1K 1/10W
R714 3.3K 1/10W
L702 LHL08TB5R6M
C717 47u 10V
D711 FMX12S
L703 LHL08TB5R6M
IC704 PQ1CF1/PQ1CG2032RZ
C719 470u 35V
C720 470u 35V
R729 3.3K 1/10W
C721 47u 50V
L704 150u 3.0A
R724 2.2K 1/10W
Q705 RN1401
R716 10K 1/10W
D714 FMBG14L
VR704 500 1/10W
Q706 RN1401
R725 10K 1/10W
ZD705 RD15
C724 0.047u 50V
R717 120 1/10W
R732 470 (1/10 W)
C732 220u 10V
C722 470u 25V
D712 AU01
C729 2200PF 250V (KX)
PC702 TLP721
PC701 TLP721
Q703 2SA1931
C728 0.047u 50V
R719 1K 1/10W
IC706 TA75358F
R718 68 1/2W
VR705 500 1/10W
C725 1000u 10V
R720 10 1/10W
C730 0.047u 50V
C727 100u 10V
R731 220 1/10W
C726 0.01u 50V
Q704 2SC2712Y
R721 1K 1/10W
R722 47K 1/10W
C731 0.001u 50V
IC705 uPC1944T
R723 470 1/10W
IC703 TA79L08F
C723 47u 50V
D713 1SS184
EA
1 GND-A
2 ABNORMAL
3 P-CON
4 +6.7V
5 +6.7V
6 +6.7V
7 GND
8 GND
9 +16.6V
10 +16.6V
11 GND
12 GND
13 -8V
14 +2.5V
15 GND
16 GND
17 +3.3V
18 +3.3V
19 GND
20 GND
21 +14.2V
22 +14.2V
THIS AREA IS HOT SIDE
THIS AREA IS COLD SIDE
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12

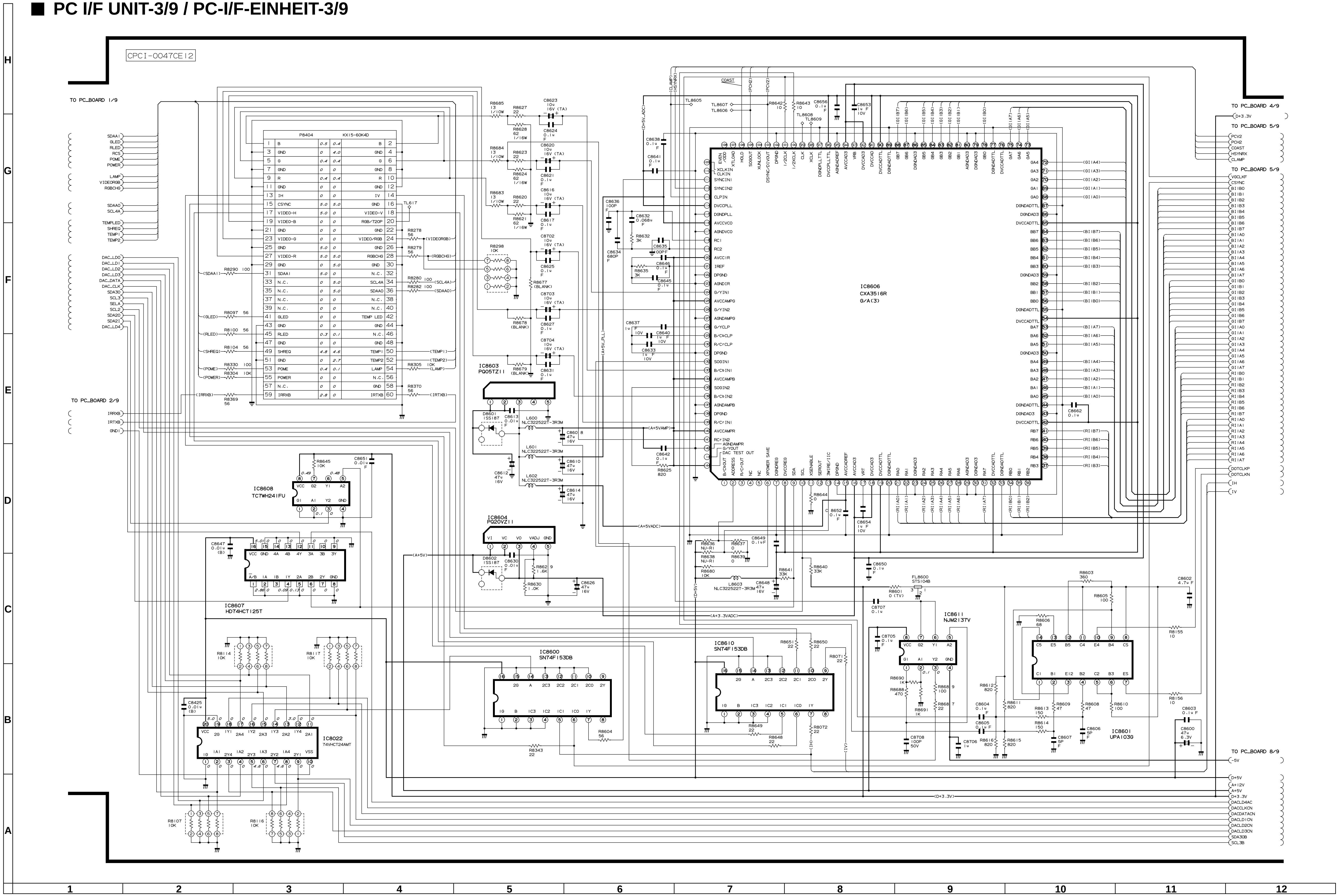
■ PC I/F UNIT-1/9 / PC-I/F-EINHEIT-1/9


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
IC8001
IX3270CE
HD6417709
IC8006
TC7WH241FU
IC8003
AT24C128N-10SC-1.8
D8001 1SS193
D8002 1SS193
D8003 1SS193
D8004 1SS193
FL8002 STS104B
FL8003 STS104B
FL8001
X8001 CX-5F (6MHz)
R8007 27K
R8012 6.8K
R8013 6.8K
R8014 10K
R8015 10K
R8006 10K
R8017 10K
R8316 10K
R8301 10K
R8001 100
R8002 100
R8003 100
R8004 100
R8005 68
R8009 150
R8011 10K
R8019 10K
R8022 10K
R8456 10K
R8348 0
C8001 0.1u 25V
C8002 0.1u 25V
C8006 0.01u (B)
C8009 0.01u (B)
C8012 15P (CH)
C8013 15P (CH)
C8019 470P (CH)
C8020 470P (CH)
C8021 0.01u (B)
C8022 0.01u (B)
C8026 0.01u (B)
C8028 0.01u (B)
C8029 0.01u (B)
C8035 0.01u (B)
C835 220P (CH)
STANDBY_REQ
SCK2
TEMP1
TEMP2
RCON
SDA31
SD31
SCL1
SDA1
KI1
ZID0
TO PC_BOARD 2/9
TO PC_BOARD 3/9
TO PC_BOARD 5/9
TO PC_BOARD 6/9
TO PC_BOARD 7/9
TO PC_BOARD 8/9
CPCI-0047CE12

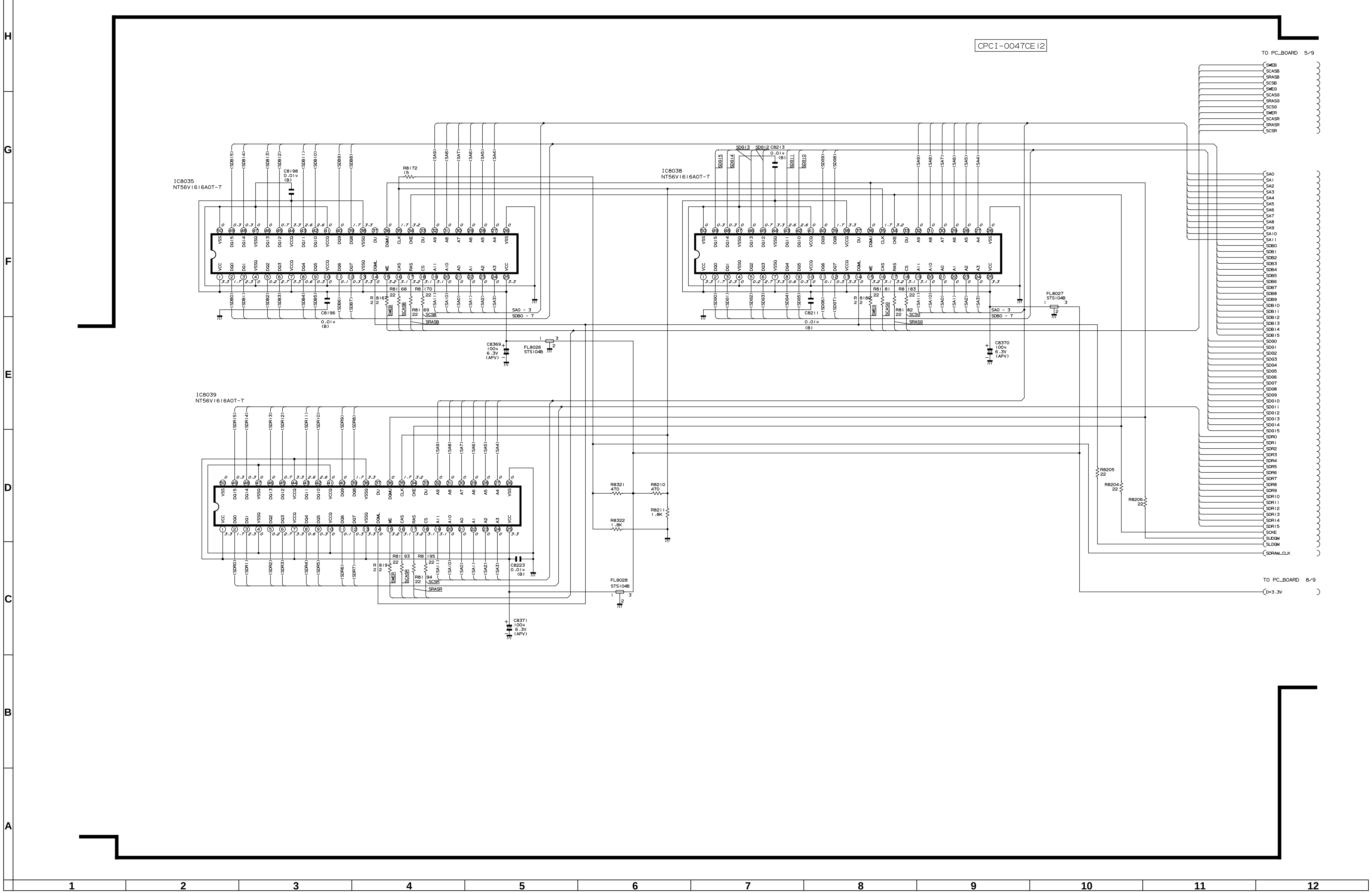
■ PC I/F UNIT-2/9 / PC-I/F-EINHEIT-2/9


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
IC8027
IX3439CE
TO PC_BOARD 1/9
TO PC_BOARD 3/9
TO PC_BOARD 5/9
TO PC_BOARD 7/9
TO PC_BOARD 8/9
TO PC_BOARD 9/9
DB0-DB15
AB1-AB16
R8320
0
C8043
0.01u
(B)
FL8005
STS104B
R8033
10K
R8034
10K
R8035
10K
R8036
10K
R8040
68
X8003
(1.8432MHz)
FX0-31FL
C8042
0.01u
(B)
R8061
10K
IC8053
TC74LVX86FT
R8043
10K
R8044
10K
R8050
10K
R8051
10K
IC8028
MSM51V18I
65D-60TS-K
R8057
10K
R8058
10K
R8065
10K
R8066
10K
FL8006
STS104B
C8361
47u
6.3V
(APV)
C8053
0.01u
C8052
0.01u
R8027
27K
R8028
4.7K
NORMAL
WRITE ENABLE
S8001
SSSS812-B-2B
Q8012
IMB3A
IC8007
PST600IM
C8039
0.1u Z
25V
R8023
10K
IC8019
PST623XW
C8031
0.1u Z
25V
R8016
1.69K
C8030
0.047u
R8018
2.15K F
CPCI-0047CE12
R8344
10K
R8345
10K
R8339
10K
R8481
0
IC8056
HD74LVC00T

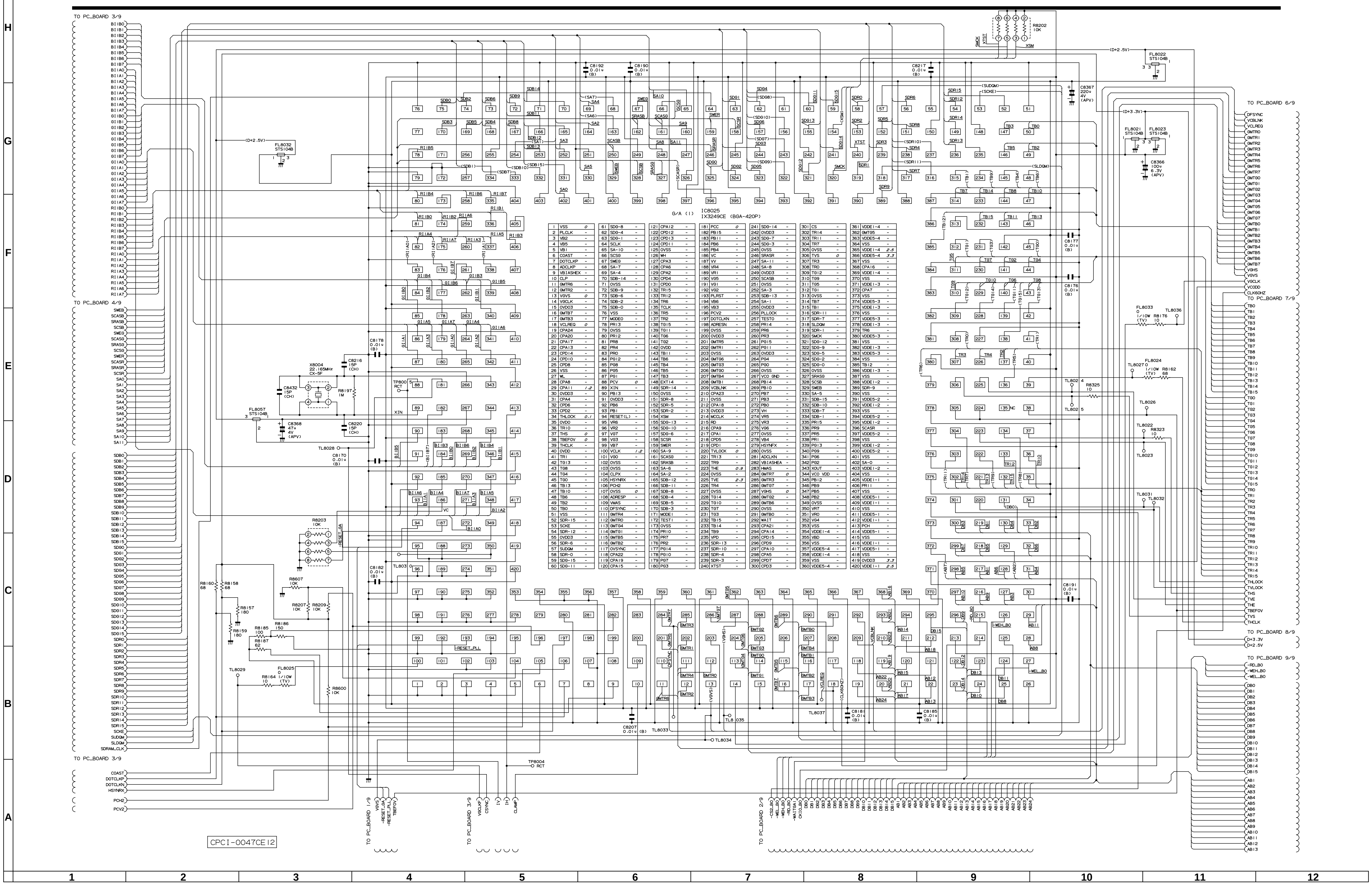
■ PC I/F UNIT-3/9 / PC-I/F-EINHEIT-3/9


CPCI-0047CE12
TO PC_BOARD 1/9
TO PC_BOARD 2/9
TO PC_BOARD 4/9
TO PC_BOARD 5/9
TO PC_BOARD 8/9
P8404 KX15-60K4D
IC8606 CXA3516R G/A(3)
IC8603 PQ05TZ11
IC8604 PQ20VZ11
IC8608 TC7WH241FU
IC8607 HD74HCT125T
IC8600 SN74F153DB
IC8610 SN74F153DB
IC8022 74VHCT24AMT
IC8611 NJM2137V
IC8601 UPA103G
FL8600 STS104B
L600 NLC322522T-3R3M
L601 NLC322522T-3R3M
L602 NLC322522T-3R3M
L8603 NLC322522T-3R3M
D8601 1SS187
D8602 1SS187
SDAA1
GLED
RLED
RCS
POME
POWER
LAMP
VIDEORGB
RGBCHG
SDAA0
SCL4A
TEMPLED
SHREQ
TEMP1
TEMP2
DAC_LD0
DAC_LD1
DAC_LD2
DAC_LD3
DAC_DATA
DAC_CLK
SDA30
SCL3
SELA
SCL2
SDA20
SDA21
DAC_LD4
IRRXB
IRTXB
GND1
D+3.3V
PCV2
PCH2
COAST
HSYNRX
CLAMP
VGCLKF
CSYNC
DOTCLKP
DOTCLKN
1H
1V
-5V
D+5V
A+12V
A+5V
D+3.3V
DACLD4AC
DACCLKCN
DACDATACN
DACLD1CN
DACLD2CN
DACLD3CN
SDA30B
SCL3B
(A+5VAMP)
(A+5VADC)
(A+3.3VADC)
(A+5V_ADC)
(A+5V_PLL)
(D+3.3V)
(A+5V)
(D+5V)
1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H

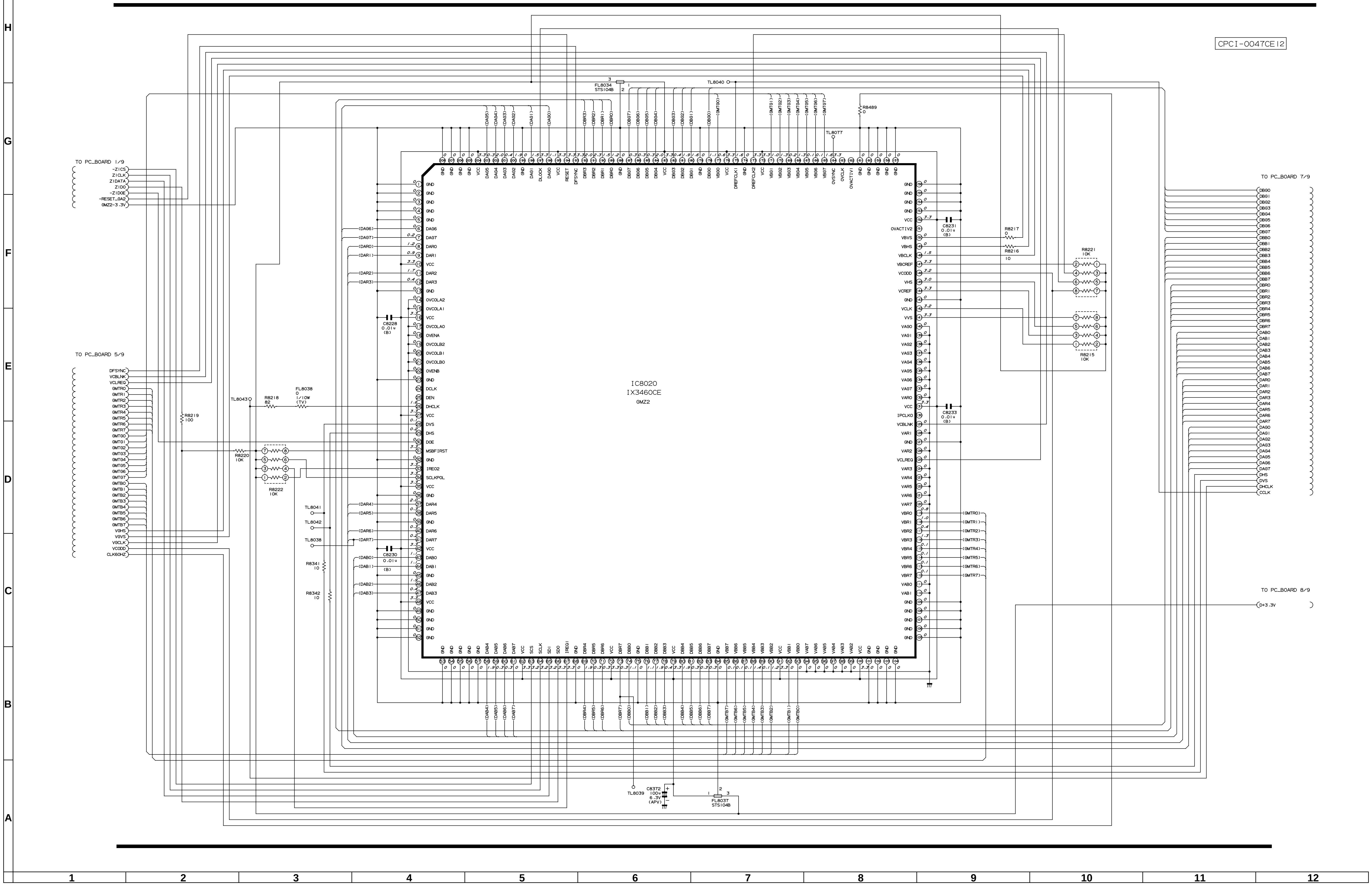
■ PC I/F UNIT-4/9 / PC-I/F-EINHEIT-4/9


H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
CPCI-0047CE12
TO PC_BOARD 5/9
IC8035
NT56V1616A0T-7
IC8038
NT56V1616A0T-7
IC8039
NT56V1616A0T-7
C8198 0.01u (B)
R8172 15
C8196 0.01u (B)
C8213 0.01u (B)
C8211 0.01u (B)
C8369 100u 6.3V (APV)
FL8026 STS104B
C8370 100u 6.3V (APV)
FL8027 STS104B
R8321 470
R8210 470
R8322 1.8K
R8211 1.8K
R8205 22
R8204 22
R8206 22
FL8028 STS104B
C8223 0.01u (B)
C8371 100u 6.3V (APV)
SA0 - 3
SDB0 - 7
SDG0 - 7
SRASB
SRASG
SRASR
SWEB
SCASB
SRASB
SCSB
SWEG
SCASG
SRASG
SCSG
SWER
SCASR
SRASR
SCSR
SA0
SA1
SA2
SA3
SA4
SA5
SA6
SA7
SA8
SA9
SA10
SA11
SDB0
SDB1
SDB2
SDB3
SDB4
SDB5
SDB6
SDB7
SDB8
SDB9
SDB10
SDB11
SDB12
SDB13
SDB14
SDB15
SDG0
SDG1
SDG2
SDG3
SDG4
SDG5
SDG6
SDG7
SDG8
SDG9
SDG10
SDG11
SDG12
SDG13
SDG14
SDG15
SDR0
SDR1
SDR2
SDR3
SDR4
SDR5
SDR6
SDR7
SDR8
SDR9
SDR10
SDR11
SDR12
SDR13
SDR14
SDR15
SCKE
SUDQM
SLDQM
SDRAM_CLK
TO PC_BOARD 8/9
D+3.3V

■ PC I/F UNIT-5/9 / PC-I/F-EINHEIT-5/9


TO PC_BOARD 3/9
TO PC_BOARD 4/9
TO PC_BOARD 6/9
TO PC_BOARD 7/9
TO PC_BOARD 8/9
TO PC_BOARD 9/9
TO PC_BOARD 1/9
TO PC_BOARD 2/9
G/A (1)
IC8025
IX3249CE (BGA-420P)
X8004
22.165MHz
CX-5F
FL8032
FL8057
FL8021
FL8022
FL8023
FL8025
R8202
10K
C8367
220u
4V
(APV)
C8366
100u
6.3V
(APV)
(D+2.5V)
(D+3.3V)
TP800
RCT
TP8004
RCT
CPCI-0047CE12
1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H

■ PC I/F UNIT-6/9 / PC-I/F-EINHEIT-6/9


CPCI-0047CE12
IC8020
IX3460CE
GMZ2
TO PC_BOARD 1/9
-Z1CS
Z1CLK
Z1DATA
Z1DO
-Z1DOE
-RESET_GA2
GMZ2-3.3V
TO PC_BOARD 5/9
DFSYNC
VCBLNK
VCLREQ
GMTR0
GMTR1
GMTR2
GMTR3
GMTR4
GMTR5
GMTR6
GMTR7
GMTG0
GMTG1
GMTG2
GMTG3
GMTG4
GMTG5
GMTG6
GMTG7
GMTB0
GMTB1
GMTB2
GMTB3
GMTB4
GMTB5
GMTB6
GMTB7
VGHS
VGVS
VGCLK
VCODD
CLK60HZ
TO PC_BOARD 7/9
DBG0
DBG1
DBG2
DBG3
DBG4
DBG5
DBG6
DBG7
DBB0
DBB1
DBB2
DBB3
DBB4
DBB5
DBB6
DBB7
DBR0
DBR1
DBR2
DBR3
DBR4
DBR5
DBR6
DBR7
DAB0
DAB1
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DAB3
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DAB6
DAB7
DAR0
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DAR7
DAG0
DAG1
DAG2
DAG3
DAG4
DAG5
DAG6
DAG7
DHS
DVS
DHCLK
CCLK
TO PC_BOARD 8/9
D+3.3V
FL8034
STS104B
TL8040
R8489
0
TL8077
R8217
R8216
10
R8221
10K
R8215
10K
C8231
0.01u
(B)
C8233
0.01u
(B)
C8228
0.01u
(B)
C8230
0.01u
(B)
TL8043
R8218
82
FL8038
1/10W
(TV)
R8219
100
R8220
10K
R8222
10K
TL8041
TL8042
TL8038
R8341
10
R8342
10
TL8039
C8372
100u
6.3V
(APV)
FL8037
STS104B
H
G
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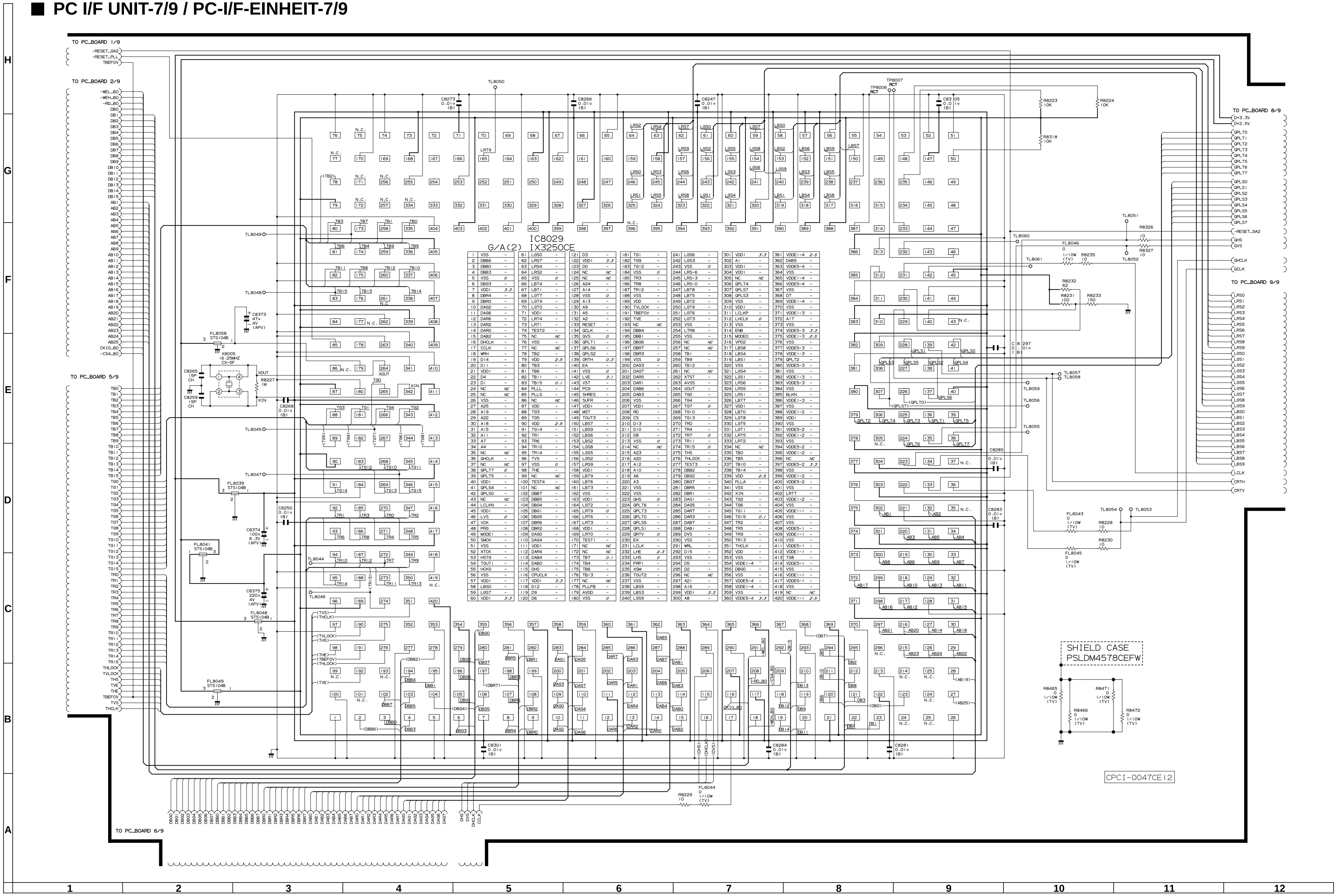
■ PC I/F UNIT-7/9 / PC-I/F-EINHEIT-7/9


TO PC_BOARD 1/9
-RESET_GA2
-RESET_PLL
TBEFOV
TO PC_BOARD 2/9
-WEL_BO
-WEH_BO
-RD_BO
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
DB8
DB9
DB10
DB11
DB12
DB13
DB14
DB15
AB1
AB2
AB3
AB4
AB5
AB6
AB7
AB8
AB9
AB10
AB11
AB12
AB13
AB14
AB15
AB16
AB17
AB18
AB19
AB20
AB21
AB22
AB23
AB24
AB25
CKIO_BO
-CS4_BO
TO PC_BOARD 5/9
TB0
TB1
TB2
TB3
TB4
TB5
TB6
TB7
TB8
TB9
TB10
TB11
TB12
TB13
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TG0
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TR0
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TR8
TR9
TR10
TR11
TR12
TR13
TR14
TR15
THLOCK
TVLOCK
THS
TVE
THE
TBEFOV
TVS
THCLK
TO PC_BOARD 6/9
DBG0
DBG1
DBG2
DBG3
DBG4
DBG5
DBG6
DBG7
DBB0
DBB1
DBB2
DBB3
DBB4
DBB5
DBB6
DBB7
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DBR3
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DBR5
DBR6
DBR7
DAB0
DAB1
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DAB3
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DAB6
DAB7
DAR0
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DAR5
DAR6
DAR7
DAG0
DAG1
DAG2
DAG3
DAG4
DAG5
DAG6
DAG7
DHS
DVS
DHCLK
CCLK
TO PC_BOARD 8/9
D+3.3V
D+2.5V
QPLT0
QPLT1
QPLT2
QPLT3
QPLT4
QPLT5
QPLT6
QPLT7
QPLS0
QPLS1
QPLS2
QPLS3
QPLS4
QPLS5
QPLS6
QPLS7
-RESET_GA2
QHS
QVS
QHCLK
QCLK
TO PC_BOARD 9/9
LRS0
LRS1
LRS2
LRS3
LRS4
LRS5
LRS6
LRS7
LRS8
LRS9
LGS0
LGS1
LGS2
LGS3
LGS4
LGS5
LGS6
LGS7
LGS8
LGS9
LBS0
LBS1
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LBS5
LBS6
LBS7
LBS8
LBS9
LCLK
CRTH
CRTV
TL8050
TL8049
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TL8057
TL8058
TL8059
TL8056
TL8055
TL8054
TL8053
TP8006 RCT
TP8007 RCT
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C8266 0.01u (B)
C8247 0.01u (B)
C8305 0.01u (B)
C8373 47u 4V (APV)
C8265 15P CH
C8259 15P CH
C8268 0.01u (B)
C8250 0.01u (B)
C8374 100u 6.3V (APV)
C8375 220u 4V (APV)
C8297 0.01u (B)
C8285 0.01u (B)
C8283 0.01u (B)
C8301 0.01u (B)
C8284 0.01u (B)
C8281 0.01u (B)
FL8058 STS104B
FL8039 STS104B
FL8041 STS104B
FL8048 STS104B
FL8049 STS104B
FL8046 0 1/10W (TV)
FL8043 0 1/10W (TV)
FL8045 0 1/10W (TV)
FL8044 0 1/10W (TV)
X8005 16.25MHZ CX-5F
XOUT
XIN
R8227 1M
R8223 10K
R8224 10K
R8318 10K
R8326 10
R8327 10
R8235 10
R8232 62
R8231 100
R8233 150
R8228 10
R8230 10
R8229 10
R8465 0 1/10W (TV)
R8466 0 1/10W (TV)
R8471 0 1/10W (TV)
R8472 0 1/10W (TV)
IC8029
G/A(2) IX3250CE
N.C.
SHIELD CASE
PSLDM4578CEFW
CPCI-0047CE12
H
G
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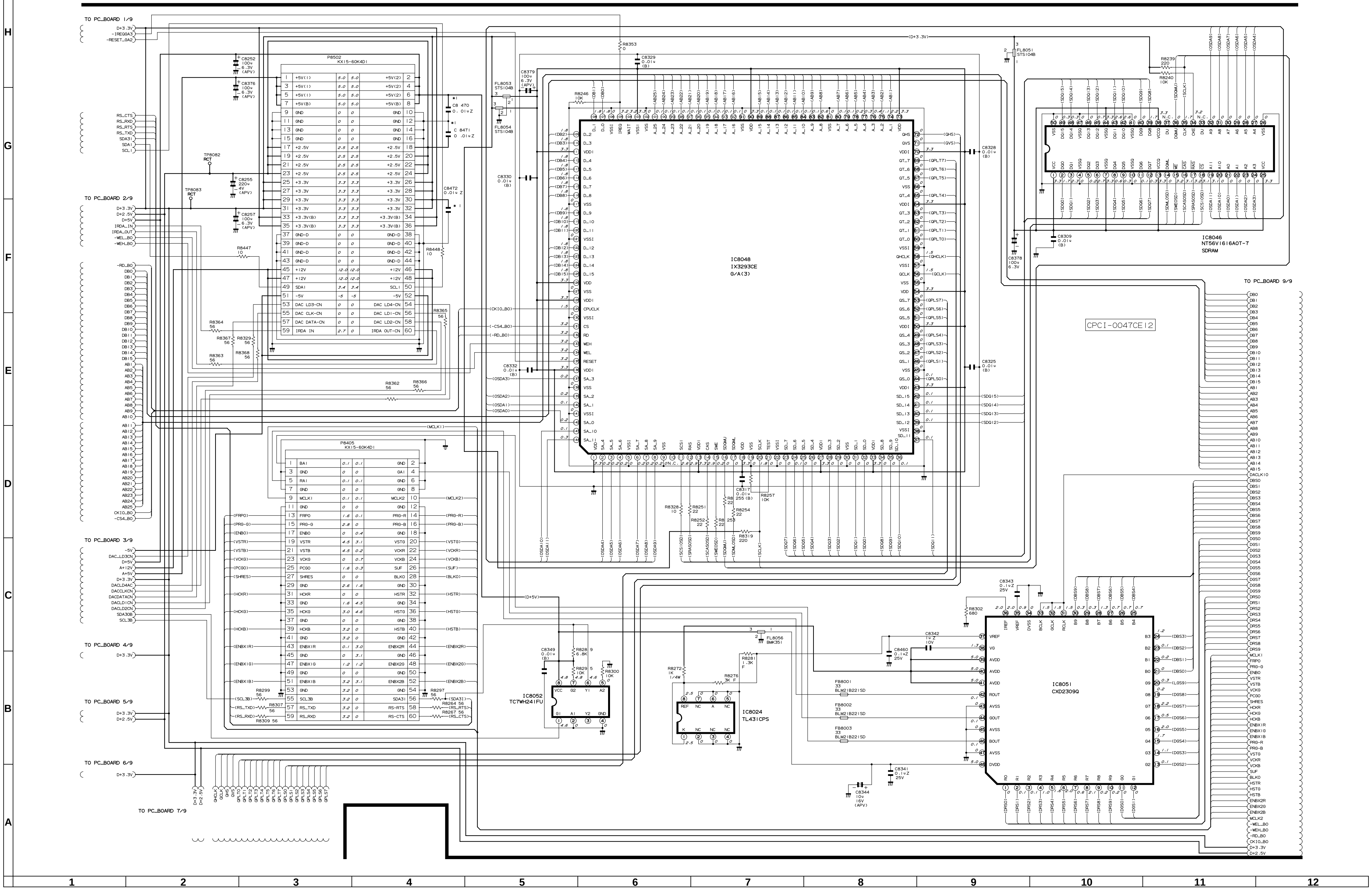
No.	Terminal	V	No.	Terminal	V	No.	Terminal	V	No.	Terminal	V	No.	Terminal	V	No.	Terminal	V	No.	Terminal	V
1	VSS	-	61	LGS0	-	121	D3	-	181	TG1	-	241	LGS6	-	301	VDD1	3.3	361	VDDE1-4	2.5
2	DBB6	-	62	LRS7	-	122	VDD1	3.3	182	TG9	-	242	LGS3	-	302	A1	-	362	DAB5	-
3	DBB0	-	63	LRS4	-	123	D0	-	183	TG12	-	243	VSS	0	303	VDD1	-	363	VDDE5-4	-
4	DBB3	-	64	LRS2	-	124	NC	NC	184	VSS	0	244	LRS-6	-	304	VDD1	-	364	VSS	-
5	VSS	0	65	VSS	0	125	NC	NC	185	TR3	-	245	LRS-3	-	305	NC	NC	365	VDDE1-4	-
6	DBG3	-	66	LBT4	-	126	A24	-	186	TR8	-	246	LRS-0	-	306	QPLT4	-	366	VDDE5-4	-
7	VDD1	3.3	67	LBT1	-	127	A14	-	187	TR12	-	247	LBT8	-	307	QPLS7	-	367	VSS	-
8	DBR4	-	68	LGT7	-	128	VSS	0	188	VSS	-	248	LBT5	-	308	QPLS3	-	368	D7	-
9	DBR0	-	69	LGT4	-	129	A13	-	189	VDD	-	249	LBT2	-	309	VSS	-	369	VDDE1-4	-
10	DAG2	-	70	LGT0	-	130	A9	-	190	TVLOCK	-	250	LGT9	-	310	VDD1	-	370	VSS	-
11	DAG6	-	71	VDD1	-	131	A5	-	191	TBEFOV	-	251	LGT6	-	311	LCLKP	-	371	VDDE1-3	-
12	DAR6	-	72	LRT4	-	132	A2	-	192	TVE	-	252	LGT3	-	312	LHCLK	0	372	A17	-
13	DAR2	-	73	LRT1	-	133	RESET	-	193	NC	NC	253	VSS	-	313	VSS	-	373	VSS	-
14	DAR0	-	74	TEST2	-	134	QCLK	-	194	DBB4	-	254	LTR8	-	314	ENB	-	374	VDDE5-3	3.3
15	DAB2	-	75	NC	NC	135	QVS	0	195	DBB1	-	255	VSS	-	315	MODE0	-	375	VDDE1-3	2.5
16	DHCLK	-	76	VSS	-	136	QPLT1	-	196	DBG6	-	256	NC	NC	316	VPD2	-	376	VSS	-
17	CCLK	-	77	NC	NC	137	QPLS6	-	197	DBR7	-	257	NC	NC	317	LBS8	-	377	VDDE5-3	-
18	WRH	-	78	TB2	-	138	QPLS2	-	198	DBR3	-	258	TB1	-	318	LBS4	-	378	VDDE1-3	-
19	D14	-	79	VDD	2.5	139	ORTH	0.3	199	VSS	0	259	TB9	-	319	LBS1	-	379	QPLT2	-
20	D11	-	80	TB3	-	140	EA	-	200	DAG3	-	260	TB12	-	320	VSS	-	380	VDDE5-3	-
21	VDD1	-	81	TB6	-	141	VSS	0	201	DAG7	-	261	NC	NC	321	LGS4	-	381	VSS	-
22	D4	-	82	TB11	-	142	LVE	3.1	202	DAR5	-	262	XTST	-	322	LGS1	-	382	VDDE1-3	-
23	D1	-	83	TB15	0.1	143	VST	-	203	DAR1	-	263	AVSS	-	323	LRS6	-	383	VDDE5-3	-
24	NC	NC	84	PLLL	-	144	PCG	-	204	DAB6	-	264	XOUT	-	324	LRS5	-	384	VSS	-
25	NC	NC	85	PLLS	-	145	SHRES	-	205	DAB3	-	265	TG0	-	325	LRS1	-	385	BLKN	-
26	VSS	-	86	NC	NC	146	SUFR	-	206	VSS	-	266	TG4	-	326	LBT7	-	386	VDDE1-3	-
27	A25	-	87	VDD	-	147	VDD1	-	207	VDD1	-	267	TG7	0	327	VDD1	-	387	VSS	-
28	A19	-	88	TG3	-	148	MST	-	208	RD	-	268	TG10	-	328	LBT0	-	388	VDDE1-2	-
29	A22	-	89	TG5	-	149	TOUT3	-	209	CS	-	269	TG13	-	329	LGT8	-	389	VDD1	-
30	A18	-	90	VDD	2.5	150	LBS7	-	210	D13	-	270	TR0	-	330	LGT5	-	390	VSS	-
31	A15	-	91	TG14	-	151	LBS9	-	211	D10	-	271	TR4	-	331	LGT1	-	391	VDDE5-2	-
32	A11	-	92	TR1	-	152	LBS6	-	212	D8	-	272	TR7	0	332	LRT5	-	392	VDDE1-2	-
33	A7	-	93	TR6	-	153	LBS2	-	213	VSS	0	273	TR11	-	333	LRT2	-	393	VSS	-
34	A4	-	94	TR10	-	154	LGS8	-	214	NC	NC	274	TR15	0	334	NC	NC	394	VDDE5-2	-
35	NC	NC	95	TR14	-	155	LGS5	-	215	A23	-	275	THS	-	335	TB0	-	395	VDDE1-2	-
36	QHCLK	-	96	TVS	-	156	LGS2	-	216	A20	-	276	THLOCK	-	336	TB5	-	396	NC	NC
37	NC	NC	97	VSS	0	157	LRS9	-	217	A12	-	277	TEST3	-	337	TB10	-	397	VDDE5-2	3.3
38	QPLT7	0	98	THE	-	158	VDD1	-	218	A10	-	278	DBB2	-	338	TB14	-	398	VSS	-
39	QPLT5	-	99	NC	NC	159	LBT9	-	219	A6	-	279	DBG2	-	339	VDD	2.5	399	VDDE1-2	-
40	VDD1	-	100	TEST4	-	160	LBT6	-	220	A3	-	280	DBG7	-	340	PLLA	-	400	VDDE5-2	-
41	QPLS4	-	101	NC	NC	161	LBT3	-	221	VSS	-	281	DBR5	-	341	VSS	-	401	VSS	-
42	QPLS0	-	102	DBB7	-	162	VSS	-	222	VSS	-	282	DBR1	-	342	XIN	-	402	LRT7	-
43	NC	NC	103	DBB5	-	163	VDD1	-	223	QHS	0	283	DAG1	-	343	TG2	-	403	VDDE1-2	-
44	LCLKN	-	104	DBG4	-	164	LGT2	-	224	QPLT6	-	284	DAG5	-	344	TG6	-	404	VSS	-
45	VDD1	-	105	DBG1	-	165	LRT9	0	225	QPLT3	-	285	DAR7	-	345	TG11	-	405	VDDE1-1	-
46	LVS	0	106	DBG5	-	166	LRT6	-	226	QPLT0	-	286	DAR3	-	346	TG15	0.1	406	VSS	-
47	VCK	-	107	DBR6	-	167	LRT3	-	227	QPLS5	-	287	DAB7	-	347	TR2	-	407	VSS	-
48	PRG	-	108	DBR2	-	168	VDD1	-	228	QPLS1	-	288	DAB1	-	348	TR5	-	408	VDDE5-1	-
49	MODE1	-	109	DAG0	-	169	LRT0	-	229	QRTV	0	289	DVS	-	349	TR9	-	409	VDDE1-1	-
50	SMCK	-	110	DAG4	-	170	TEST1	-	230	EX	-	290	VSS	-	350	TR13	-	410	VSS	-
51	VSS	-	111	VDD1	-	171	NC	NC	231	LCLK	-	291	WRL	-	351	THCLK	-	411	VDDE5-1	-
52	XTCK	-	112	DAR4	-	172	NC	NC	232	LHE	2.3	292	D15	-	352	VDD	-	412	VDDE1-1	-
53	HSTG	-	113	DAB4	-	173	TB7	0.1	233	LHS	0	293	VSS	-	353	VSS	-	413	TG8	-
54	TOUT1	-	114	DAB0	-	174	TB4	-	234	FRP1	-	294	D5	-	354	VDDE1-4	-	414	VDDE5-1	-
55	HCKG	-	115	DHS	-	175	TB6	-	235	XSM	-	295	D2	-	355	DBG0	-	415	VSS	-
56	VSS	-	116	CPUCLK	-	176	TB13	-	236	TOUT2	-	296	NC	NC	356	VSS	-	416	VDDE1-1	-
57	VDD1	-	117	VDD1	3.3	177	NC	NC	237	VSS	-	297	A21	-	357	VDDE5-4	-	417	VDDE5-1	-
58	LBS0	-	118	D12	-	178	PLLFB	-	238	LBS5	-	298	A16	-	358	VDDE1-4	-	418	VSS	-
59	LGS7	-	119	D9	-	179	AVDD	-	239	LBS3	-	299	VDD1	3.3	359	VSS	-	419	NC	NC
60	VDD1	3.3	120	D6	-	180	VSS	0	240	LGS9	-	300	A8	-	360	VDDE5-4	3.3	420	VDDE1-1	2.5

■ PC I/F UNIT-8/9 / PC-I/F-EINHEIT-8/9


TO PC_BOARD 1/9
TO PC_BOARD 2/9
TO PC_BOARD 3/9
TO PC_BOARD 4/9
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TO PC_BOARD 9/9
P8502 KX15-60K4D1
P8405 KX15-60K4D1
IC8048 IX3293CE G/A(3)
IC8046 NT56V1616A0T-7 SDRAM
IC8051 CXD2309Q
IC8052 TC7WH241FU
IC8024 TL431CPS
FL8053 STS104B
FL8054 STS104B
FL8051 STS104B
FL8056 BMK351
FB8001 33 BLM21B221SD
FB8002 33 BLM21B221SD
FB8003 33 BLM21B221SD
TP8082 RCT
TP8083 RCT
CPCI-0047CE12
(D+3.3V)
(D+5V)
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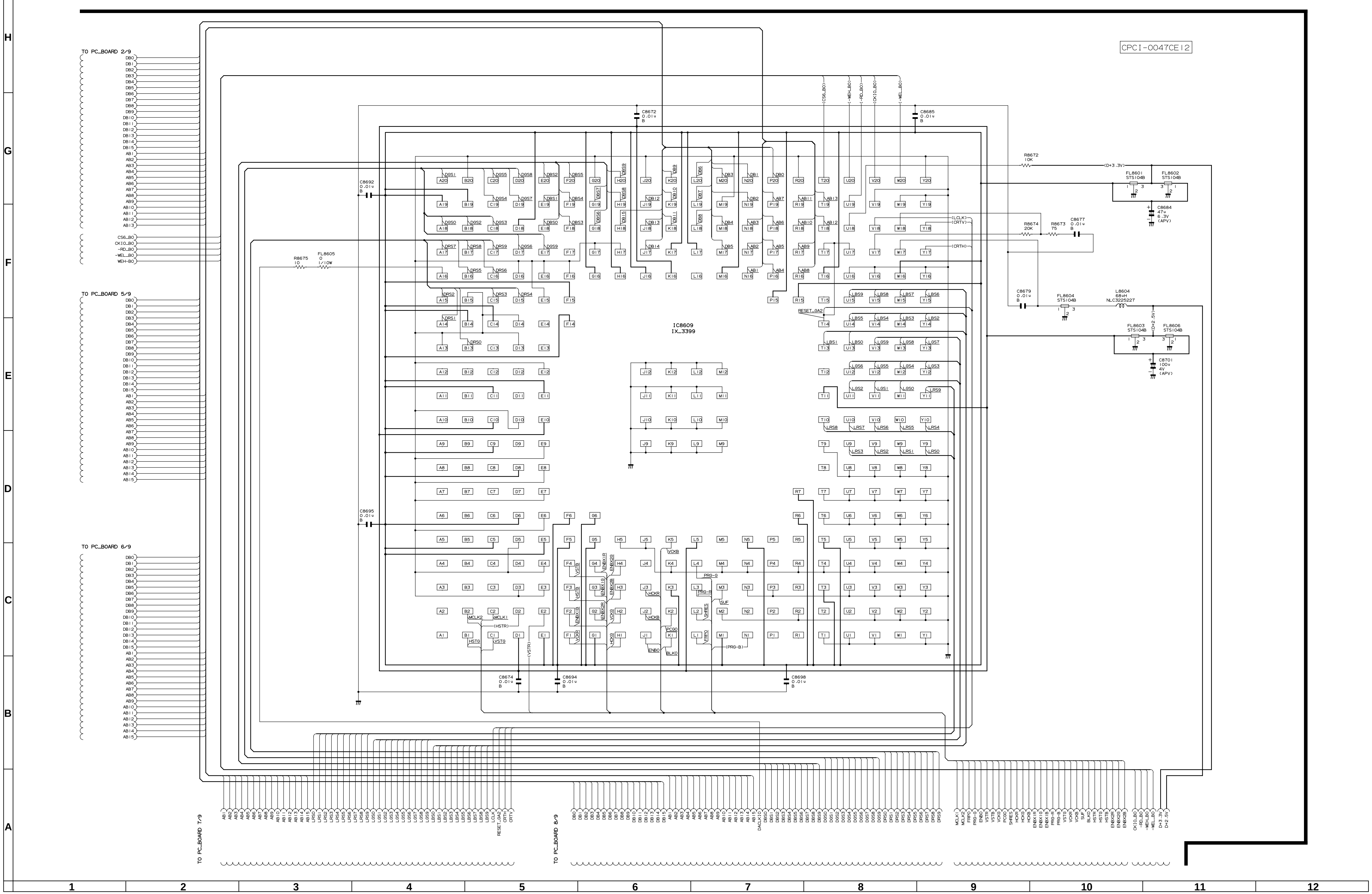
■ PC I/F UNIT-9/9 / PC-I/F-EINHEIT-9/9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TO PC_BOARD 5/9
TO PC_BOARD 6/9
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TO PC_BOARD 8/9
IC8609
IX_3399
C8672 0.01u B
C8685 0.01u B
C8692 0.01u B
C8695 0.01u B
C8674 0.01u B
C8694 0.01u B
C8698 0.01u B
R8672 10K
(D+3.3V)
FL8601 STS104B
FL8602 STS104B
C8684 47u 6.3V (APV)
R8674 20K
R8673 75
C8677 0.01u B
(LCLK)
(CRTV)
(CRTH)
R8675 10
FL8605 0 1/10W
C8679 0.01u B
FL8604 STS104B
L8604 68uH NLC3225227
(D+2.5V)
FL8603 STS104B
FL8606 STS104B
C8701 100u 4V (APV)
RESET_OA2
(CS6_BO)
(-WEH_BO)
(-RD_BO)
(CK10_BO)
(-WEL_BO)
(HSTR)
(VSTR)
(PRG-B)
PRG-G
PRG-R
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PRINTED WIRING BOARD ASSEMBLIES/ LEITERPLATTENEINHEITEN

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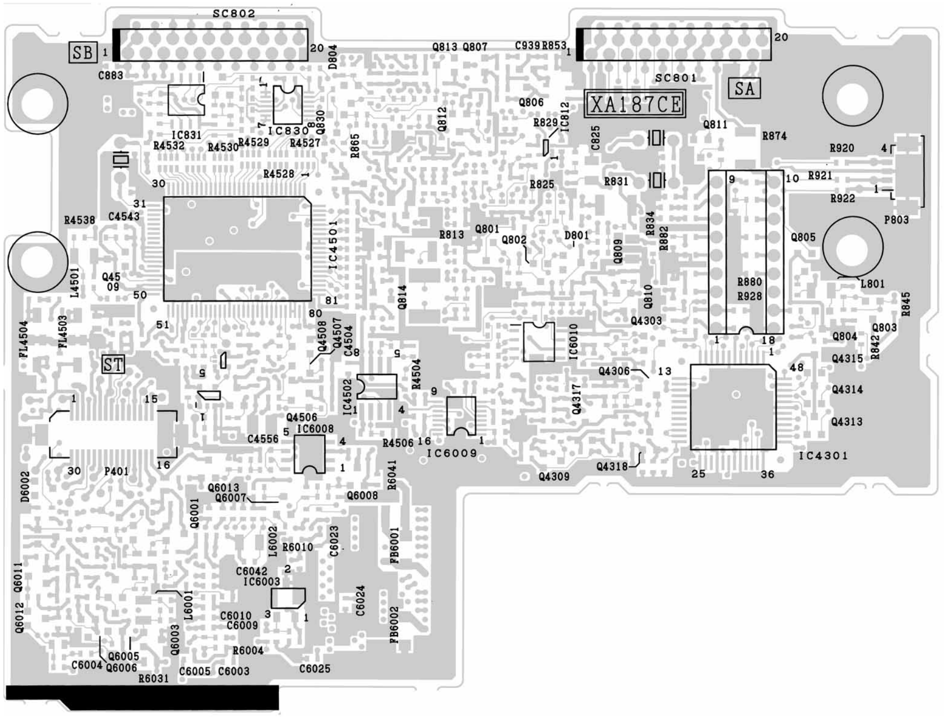
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Q807
C939
R853
Q830
Q812
R865
Q806
R829
IC812
C825
Q811
R874
R920
R921
R922
P803
R825
R831
R4538
C4543
IC4501
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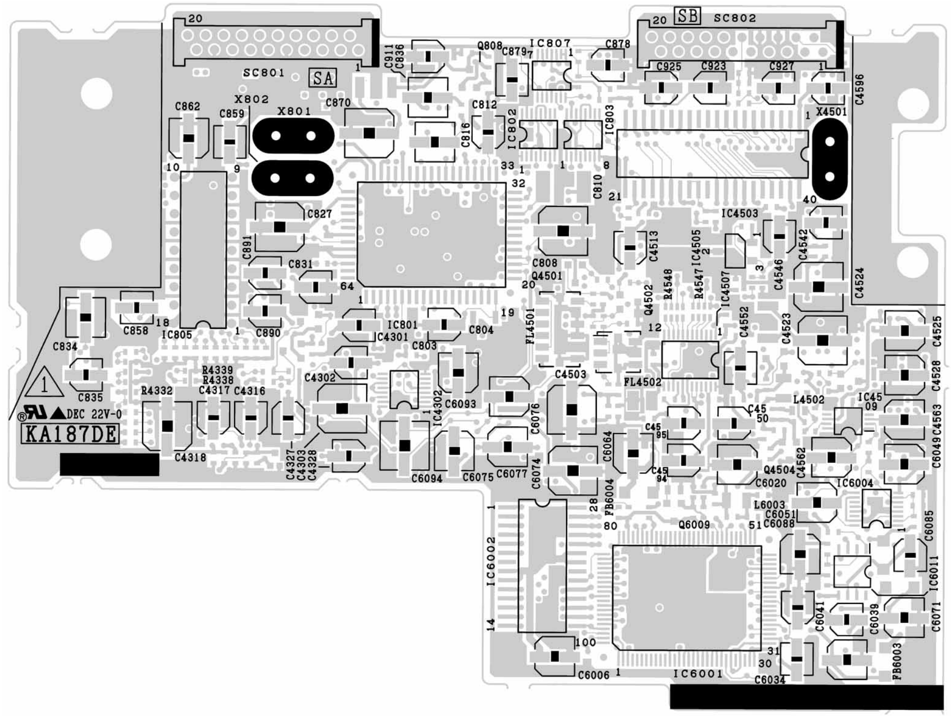
L6001
C6010
C6009
C6024
FB6002
Q6003
R6004
Q6005
C6004
Q6006
R6031
C6005
C6003
C6025

Signal Unit (Wiring Side)/
Signaleinheit (Leiterbahnseite)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C927
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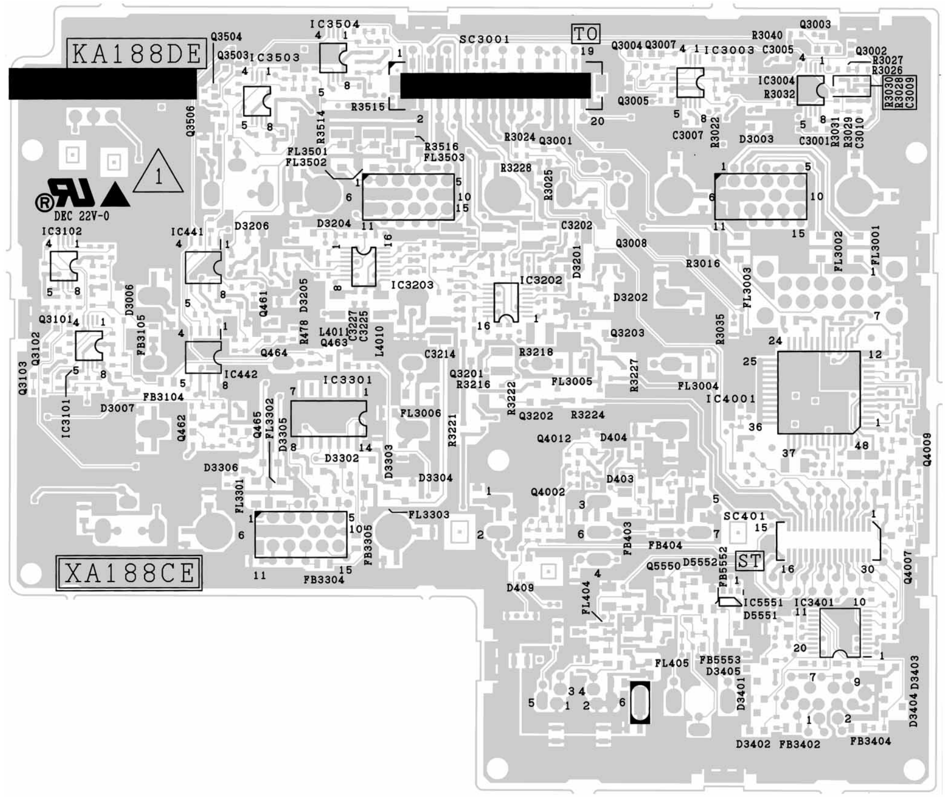
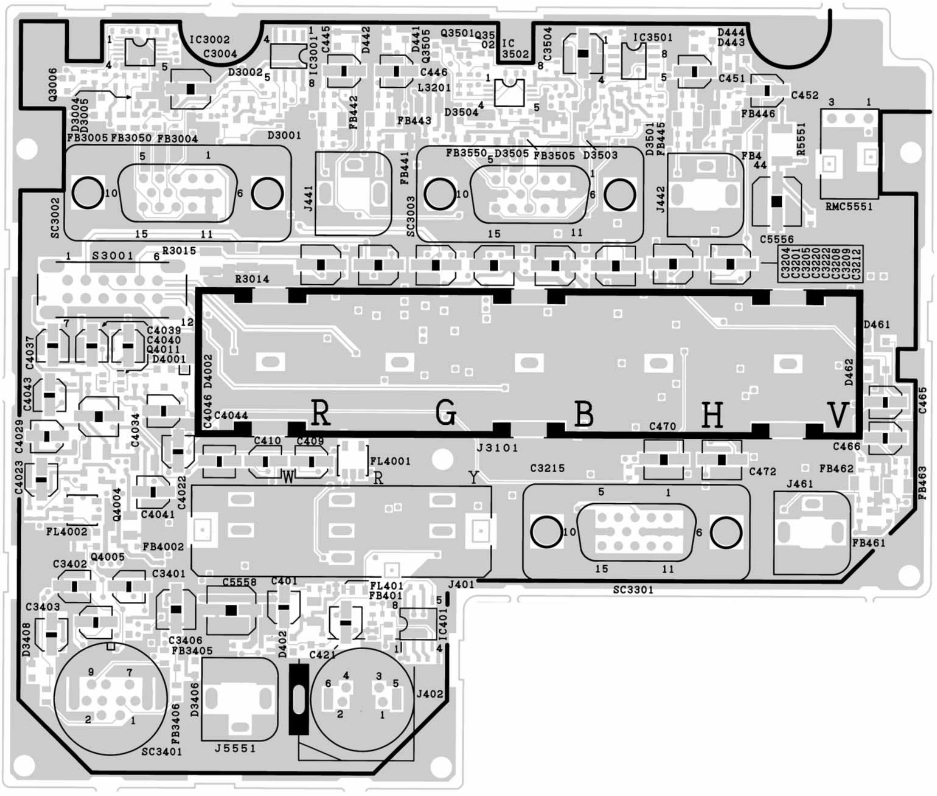
X801
C870
C862
C859
C812
C816
IC802
IC803
X4501
C810
IC4503
C827
C891
C831
C808
Q4501
C4513
IC4505
R4548
R4547
IC4507
C4546
C4542
C4524
C834
C858
IC805
C890
IC801
IC4301
C804
C803
FL4501
Q4502
C4552
C4523
C4525
R4339
R4338
C4317
C4316
R4332
C4302
C4503
FL4502
C4528
C835
DEC 22V-0
KA187DE
C4318
C4327
C4303
C4328
IC4302
C6093
C6076
C6064
C4595
C4594
C4550
L4502
IC4509
C4563
C6049
C6094
C6075
C6077
C6074
FB6004
Q4504
C6020
C4562
IC6004
L6003
C6051
C6086
Q6009
C6085
IC6002
IC6011
C6041
C6039
C6071
C6006
IC6001
C6034
FB6003

Signal Unit (Component Side)/
Signaleinheit (Bestückungsseite)

1	2	3	4	5	6


KA188DE
XA188CE
IC3504
SC3001
TO
IC3503
IC3003
IC3004
Q3003
Q3002
Q3004
Q3007
Q3005
Q3001
R3040
C3005
R3027
R3026
R3032
R3515
R3514
R3516
FL3501
FL3502
FL3503
R3024
R3228
R3025
R3022
C3007
D3003
C3001
DEC 22V-0
IC3102
IC441
IC442
D3206
D3204
C3202
Q3008
R3016
IC3203
IC3202
D3201
D3202
Q3203
Q3101
Q3102
Q3103
IC3101
D3006
FB3105
FB3104
D3007
Q461
Q462
Q463
Q464
Q465
L401
L4010
C3227
C3225
C3214
Q3201
R3216
R3218
R3222
R3227
FL3005
FL3004
IC4001
IC3301
FL3302
FL3306
D3305
D3302
D3303
D3304
R3221
Q3202
R3224
Q4012
D404
D403
Q4002
D3306
FL3301
FL3303
FB3305
FB3304
SC401
ST
FB403
FB404
Q5550
D5552
FB5552
D409
FL404
IC5551
D5551
IC3401
FL405
FB5553
D3405
D3401
D3403
D3404
D3402
FB3402
FB3404
Q4007
Q4009
FL3002
FL3001
FL3003
R3035

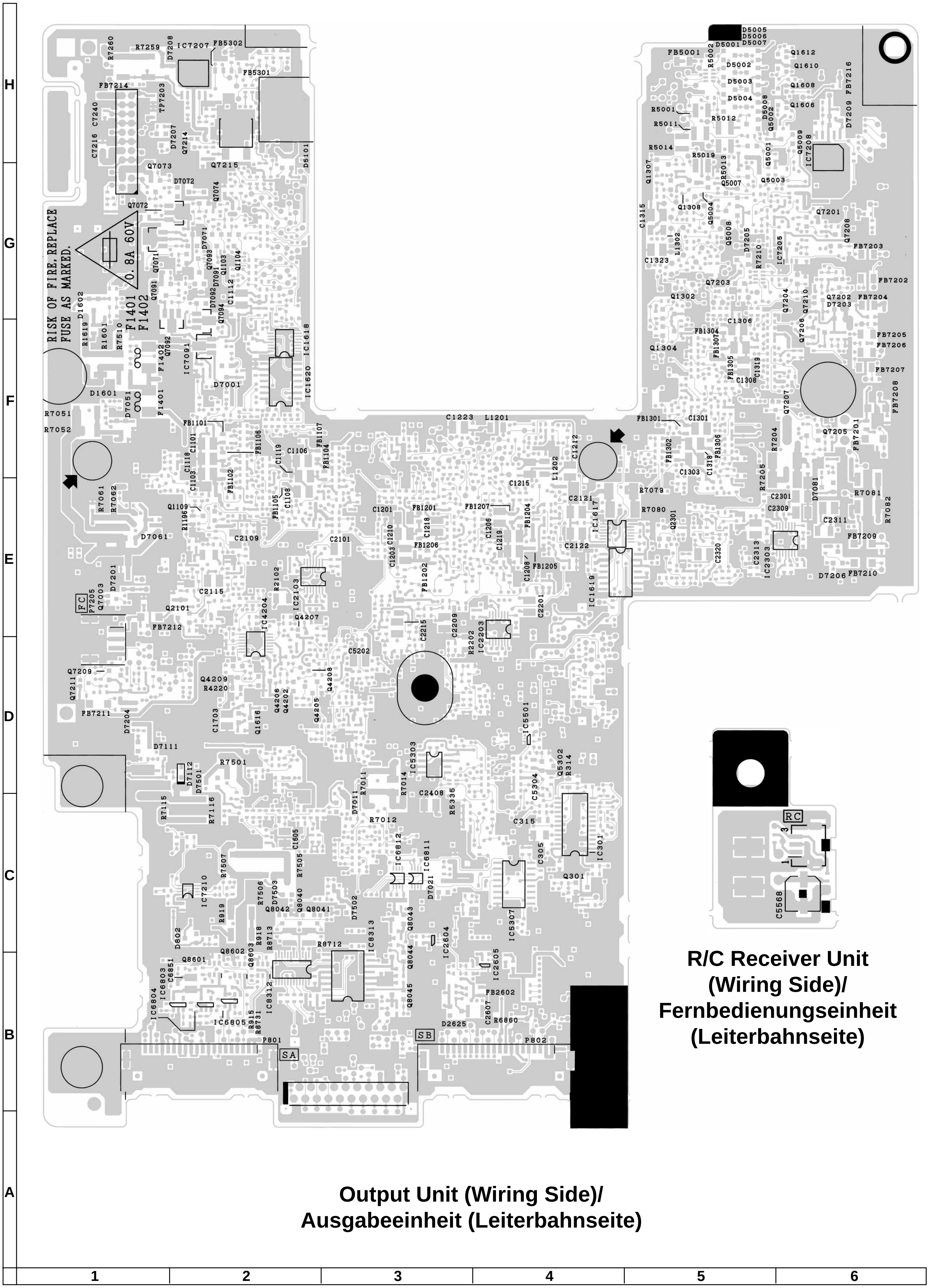
Terminal Unit (Wiring Side)/ Anschlußeinheit (Leiterbahnseite)


IC3002
C3004
D3002
IC3001
C445
D442
D441
Q3505
Q3501
Q3502
IC3502
C3504
IC3501
D444
D443
C446
L3201
C451
C452
Q3006
D3004
D3005
FB3005
FB3050
FB3004
D3001
FB442
FB443
D3504
D3501
FB445
FB446
R5551
FB3550
D3505
FB3505
D3503
FB4
44
SC3002
J441
FB441
SC3003
J442
RMC5551
C5556
S3001
R3015
R3014
C3204
C3201
C3205
C3220
C3222
C3208
C3209
C3212
C4039
C4040
Q4011
D4001
C4037
D4002
D461
D462
C4043
C4029
C4034
C4046
C4044
R
G
B
H
V
C465
C410
C409
FL4001
J3101
C470
C466
C4023
C4022
W
Y
C3215
C472
FB462
J461
FB463
Q4004
C4041
FL4002
FB4002
FB461
C3402
Q4005
C3401
C5558
C401
FL401
FB401
J401
IC401
SC3301
C3403
D3408
C3406
FB3405
D402
C421
J402
D3406
FB3406
SC3401
J5551

Terminal Unit (Component Side)/ Anschlußeinheit (Bestückungsseite)

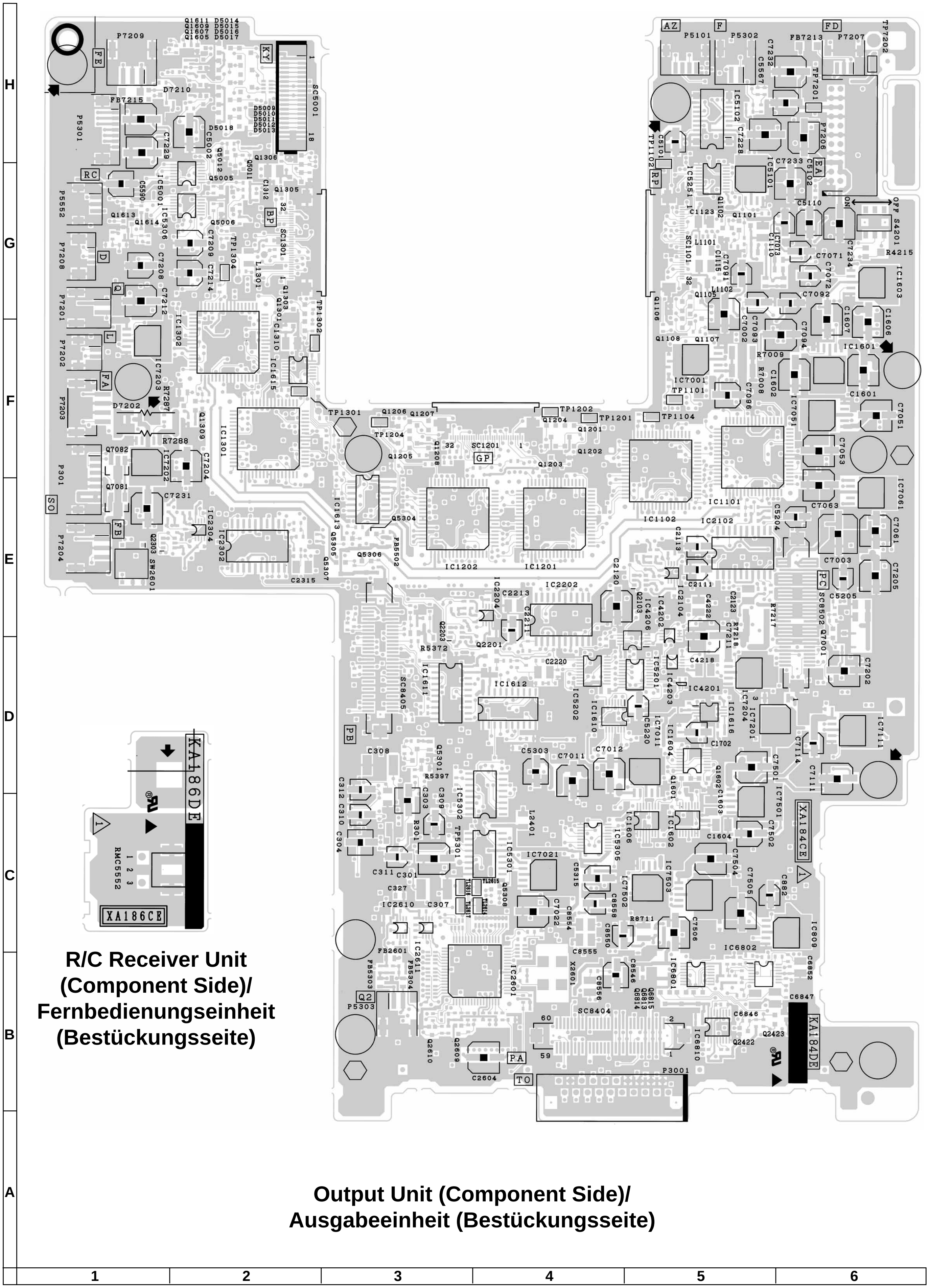
H
G
F
E
D
C
B
A

1	2	3	4	5	6


H
G
F
E
D
C
B
A
1
2
3
4
5
6
RISK OF FIRE, REPLACE FUSE AS MARKED.
0.8A 60V
F1401
F1402
FC
SA
SB
RC
P801
P802
IC7207
FB5302
FB5301
FB7214
D5005
D5006
D5007
D5001
FB5001
Q1612
Q1610
Q1608
Q1606
IC7208
FB7216
C1223
L1201
FB1301
C1301
IC1618
IC1620
IC1617
IC1619
IC2103
IC4204
IC2203
IC5501
IC5303
IC5307
IC301
Q301
C315
C305
IC6812
IC6811
IC8313
IC8312
IC2604
IC2605
FB2602
R6860
D2625
IC6804
IC6803
IC6805
IC7210
C5202
C5568
3
1

Output Unit (Wiring Side)/ Ausgabeeinheit (Leiterbahnseite)

R/C Receiver Unit (Wiring Side)/ Fernbedienungseinheit (Leiterbahnseite)

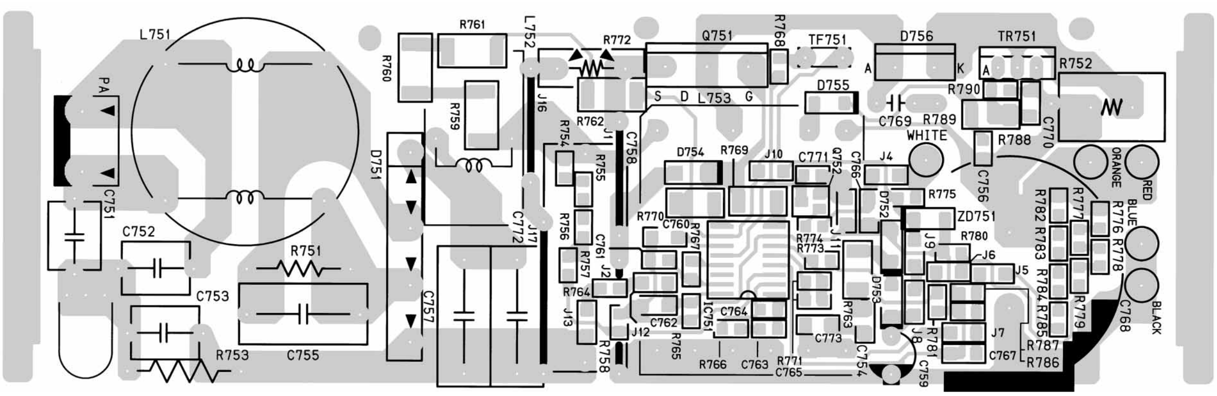

H
G
F
E
D
C
B
A
1
2
3
4
5
6
KA186DE
XA186CE
RMC5552
1 2 3
XA184CE
KA184DE
P7209
FE
FB7215
D7210
KY
SC5001
P5301
C7229
RC
IC5001
P5552
Q1613
Q1614
IC5306
P7208
P7201
P7202
P7203
P301
P7204
SO
FB
FA
L
Q
D
BP
SC1301
IC1302
IC7203
IC7202
IC1301
IC1615
TP1301
TP1302
TP1304
D7202
R7288
Q7082
Q7081
C7231
IC2304
IC2302
Q2303
SW2601
C2315
Q5306
Q5307
IC1613
Q5304
FB5502
Q1205
TP1204
Q1206
Q1207
Q1208
SC1201
GP
Q1203
TP1202
Q1204
TP1201
Q1201
Q1202
TP1104
IC1202
IC1201
IC1102
IC1101
IC2102
AZ
F
FD
P5101
P5302
FB7213
P7207
TP7202
TP7201
C5567
C7232
IC5102
C7228
P7206
C5101
TP1102
RP
IC5251
IC5101
C7233
EA
C5102
C5110
Q1102
Q1101
C1123
S4201
R4215
ON
OFF
SC1101
L1101
L1102
Q1105
Q1106
Q1108
Q1107
IC1603
C7071
C7092
IC1601
C1601
C1606
C1607
C1602
R7009
R7008
IC7001
TP1101
IC7051
C7051
C7053
IC7061
C7061
C7063
C7003
C7205
C5205
PC
SC8502
Q7001
R7217
C7202
IC7111
C7111
C7114
IC2202
IC2204
C2213
Q2201
Q2202
R5372
C2220
IC1612
IC1611
SC8405
IC5202
IC1610
IC5201
IC4203
IC4201
IC4202
IC4206
C4218
C4222
IC7201
IC7204
IC1616
C1702
IC1604
IC7011
C5220
PB
C308
Q5301
R5397
C309
C303
C312
C310
C304
R301
C311
C301
C327
C307
IC2610
IC2611
IC5302
TP5301
IC5301
Q5308
C5303
C7011
C7012
L2401
IC7021
C7022
C8554
C5315
C5305
IC1606
IC7502
C8558
C8550
C8555
X2601
C8556
C8546
R8711
IC7503
C7506
IC6801
IC6802
IC1602
IC1601
C1603
Q1602
C1604
IC7501
C7501
C7502
C7504
C7505
C882
IC809
C6852
C6847
C6846
Q2423
Q2422
IC6810
SC8404
P3001
PA
TO
C2604
Q2609
Q2610
FB2601
FB5303
FB5304
Q2
P5303
IC2601
60
59
2
1
32
18

R/C Receiver Unit (Component Side)/ Fernbedienungseinheit (Bestückungsseite)

Output Unit (Component Side)/ Ausgabeeinheit (Bestückungsseite)

H

G

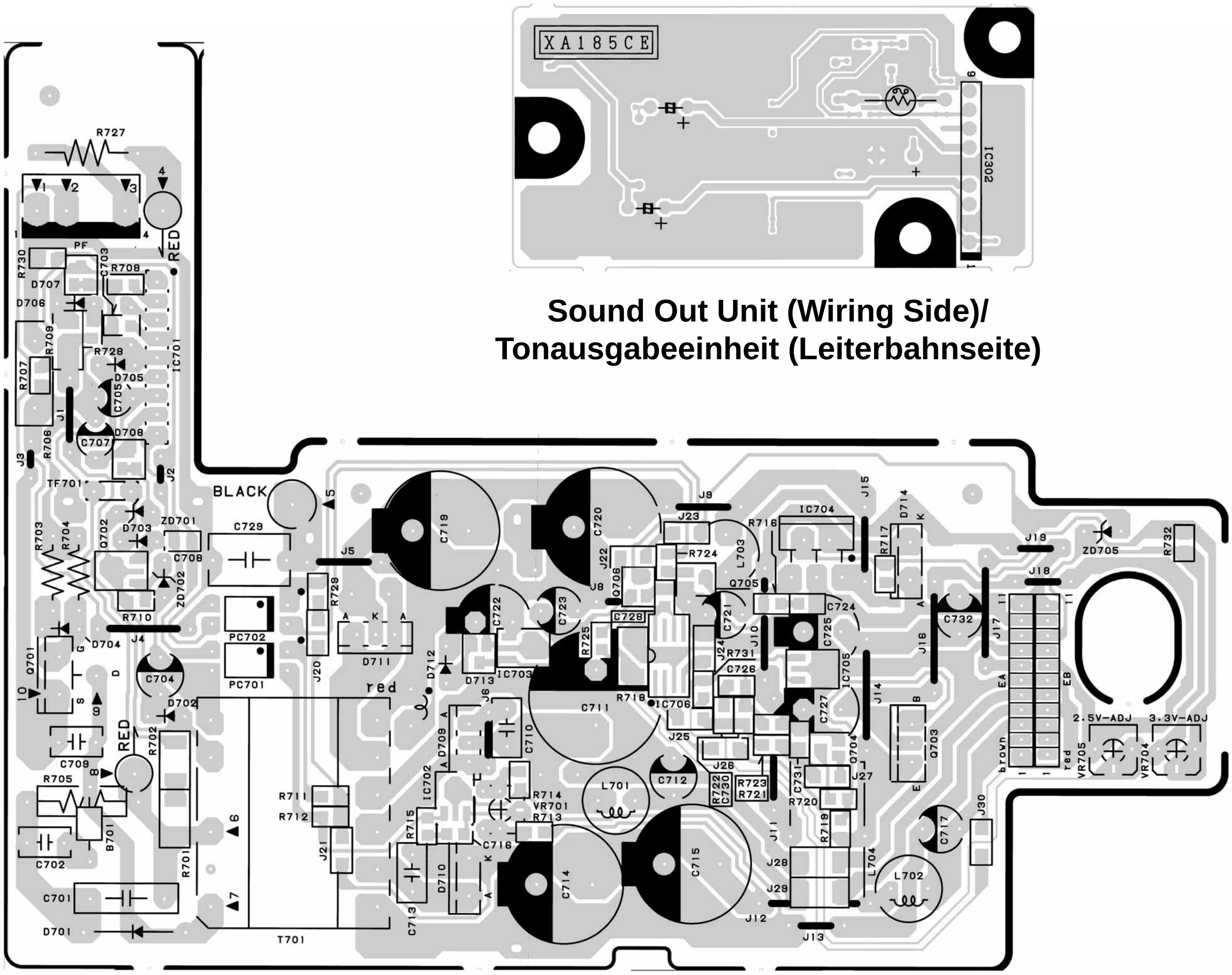

L751
PA
C751
C752
C753
R751
R753
C755
R761
R760
R759
L752
J16
D751
C757
C772
J17
R772
R762
R754
R755
C758
R756
R757
R764
J13
R758
C761
J2
J12
Q751
S
D
L753
G
R768
TF751
D756
A
K
TR751
R752
R790
D755
C769
R789
WHITE
R788
C770
D754
R769
J10
C771
Q752
C766
J4
C756
R775
ZD751
R780
J6
J5
D752
J9
R770
C760
R767
R774
R773
J11
D753
R763
C764
IC751
C762
R765
R766
C763
R771
C765
C773
C754
J8
R781
C759
J7
R787
R786
C767
R782
R783
R784
R785
R777
R776
R778
R779
C768
ORANGE
RED
BLUE
BLACK

PFC Unit (Wiring Side)/ Leitungsfilter-Schaltung-Einheit (Leiterbahnseite)

F

E

D


XA185CE
IC302
9
1

Sound Out Unit (Wiring Side)/ Tonausgabeeinheit (Leiterbahnseite)

C

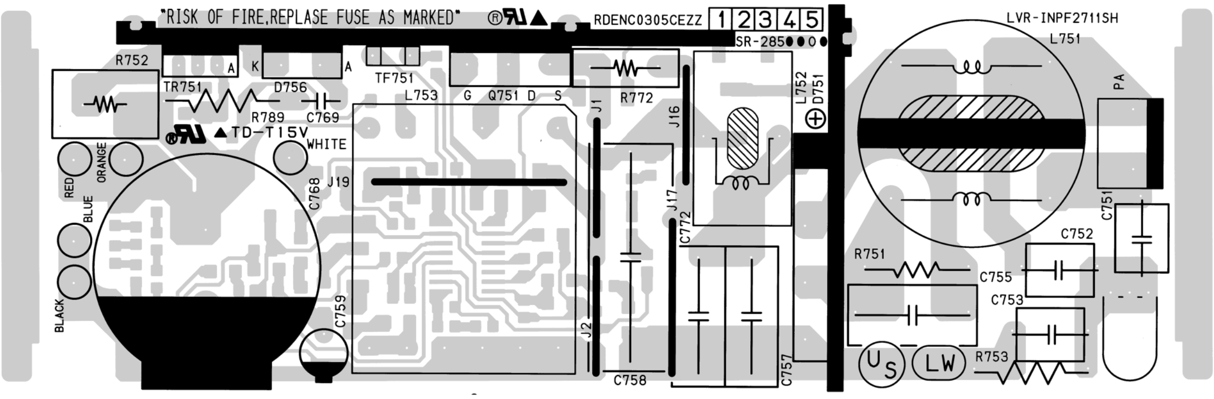
B

R727
1
2
3
4
RED
PF
R730
C703
R708
D707
D706
R709
R728
D705
IC701
R707
C705
J1
R706
C707
D708
J3
J2
TF701
BLACK
5
R703
R704
Q702
D703
ZD701
C708
ZD702
C729
J5
R710
J4
D704
Q701
G
D
S
C704
D702
C709
R702
RED
8
R705
B701
C702
6
R701
7
C701
D701
T701
PC702
PC701
R729
J20
D711
A
K
red
R711
R712
J21
C719
C720
J22
D706
J9
J23
R724
L703
C722
C723
C728
R725
C721
J10
J24
R731
C726
C711
R718
IC706
J25
IC703
D712
D713
J6
D709
C710
IC702
R715
R714
VR701
R713
C716
C713
D710
C714
L701
C712
J26
R722
C730
R723
R721
C715
J11
C731
R720
R719
J28
J29
J12
J13
L704
L702
R716
IC704
J15
D714
R717
Q705
C724
C725
IC705
C727
C704
J14
J27
Q703
B
E
J16
C732
J17
J19
J18
ZD705
R732
EA
EB
brown
red
2.5V-ADJ
3.3V-ADJ
VR705
VR704
J30
C717

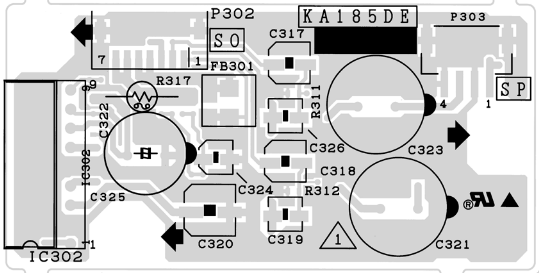
Power Unit (Wiring Side)/ Netzeinheit (Leiterbahnseite)

A

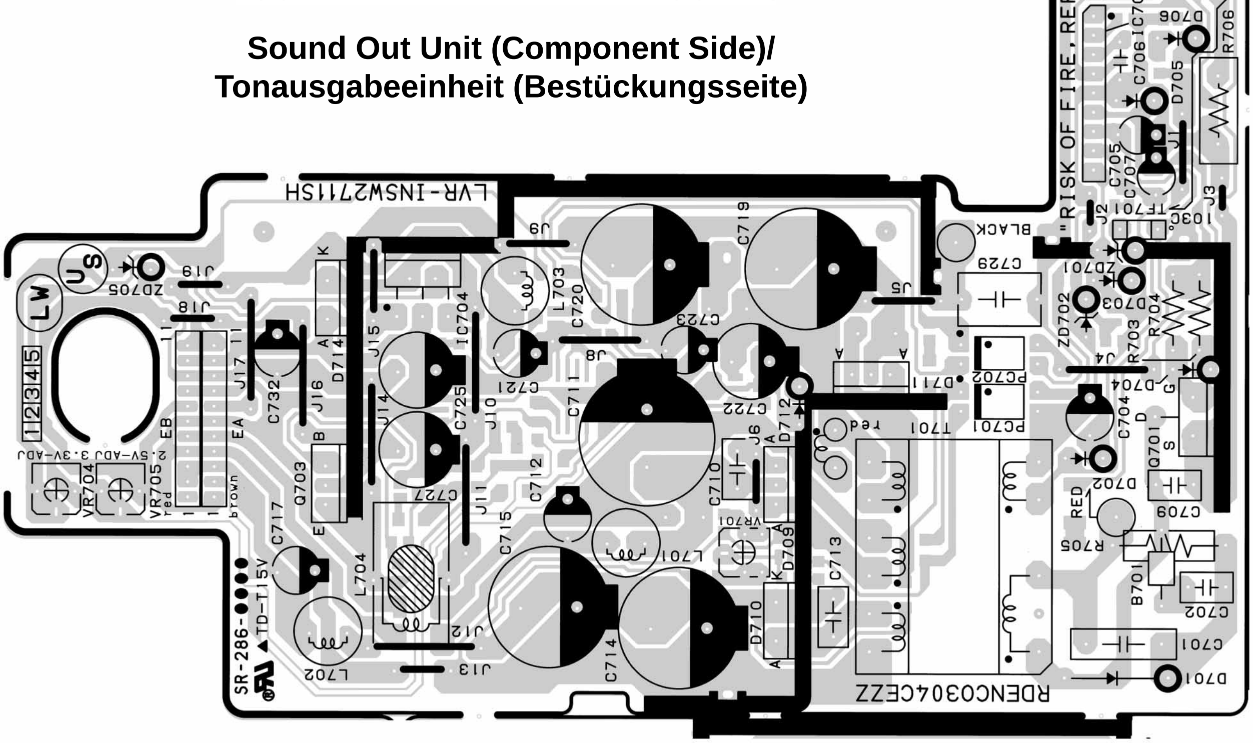
1	2	3	4	5	6


"RISK OF FIRE,REPLASE FUSE AS MARKED"
RDENC0305CEZZ
1 2 3 4 5
SR-285
LVR-INPF2711SH
L751
R752
TR751
D756
R789
C769
TF751
L753
Q751
R772
J1
J16
L752
D751
TD-T15V
WHITE
RED
ORANGE
BLUE
BLACK
C768
J19
J17
C772
C759
J2
C758
C757
PA
C751
C752
R751
C755
C753
R753
US
LW

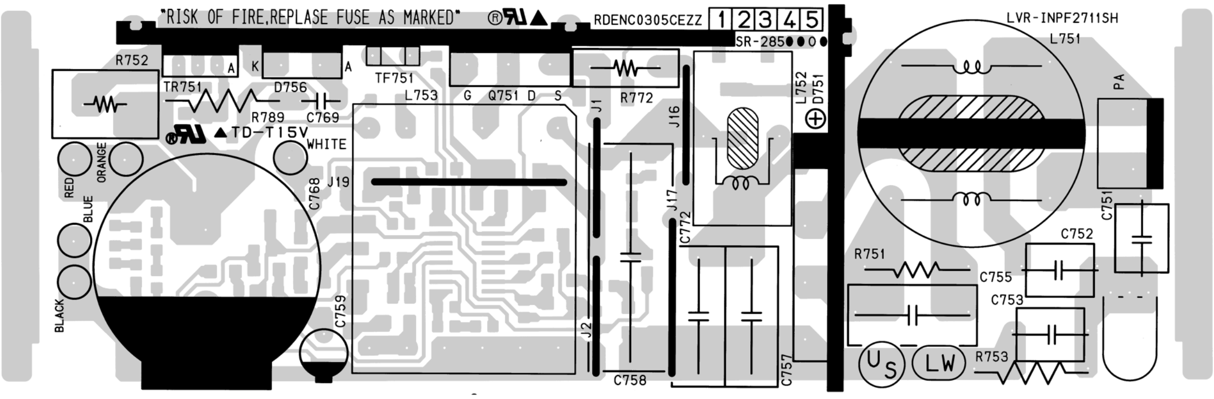
PFC Unit (Component Side)/
Leitungsfilter-Schaltung-Einheit (Bestückungsseite)


P302
KA185DE
P303
SO
C317
FB301
R317
SP
R311
C322
IC302
C326
C323
C318
C324
R312
C325
C320
C319
C321
IC302

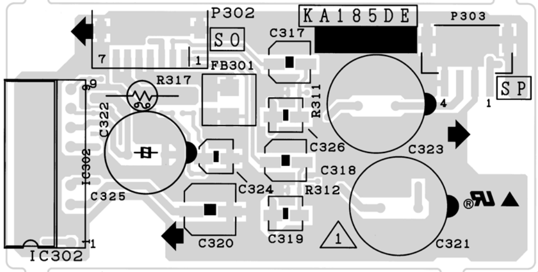
Sound Out Unit (Component Side)/
Tonausgabeeinheit (Bestückungsseite)


LVR-INSW2711SH
"RISK OF FIRE,REPLACE FUSE AS MARKED"
2A 250V
R727
PF
IC701
D706
R706
C706
D705
C705
C707
TF701
J2
J3
BLACK
C729
ZD701
ZD703
ZD702
R704
R703
J4
D704
PC702
PC701
T701
C704
Q701
D702
C709
R705
B701
C702
C701
D701
RDENC0304CEZZ
J9
C719
J5
L703
C720
IC704
D714
J15
C723
J8
C721
C711
C722
D711
D712
J6
C725
J14
J10
C710
C712
J11
C727
VR701
L701
D709
C713
C715
C714
D710
J12
J13
L702
L704
Q703
C717
C732
J16
J17
J18
J19
ZD705
US
LW
1 2 3 4 5
VR704
VR705
EA
EB
SR-286
TD-T15V
RED
brown

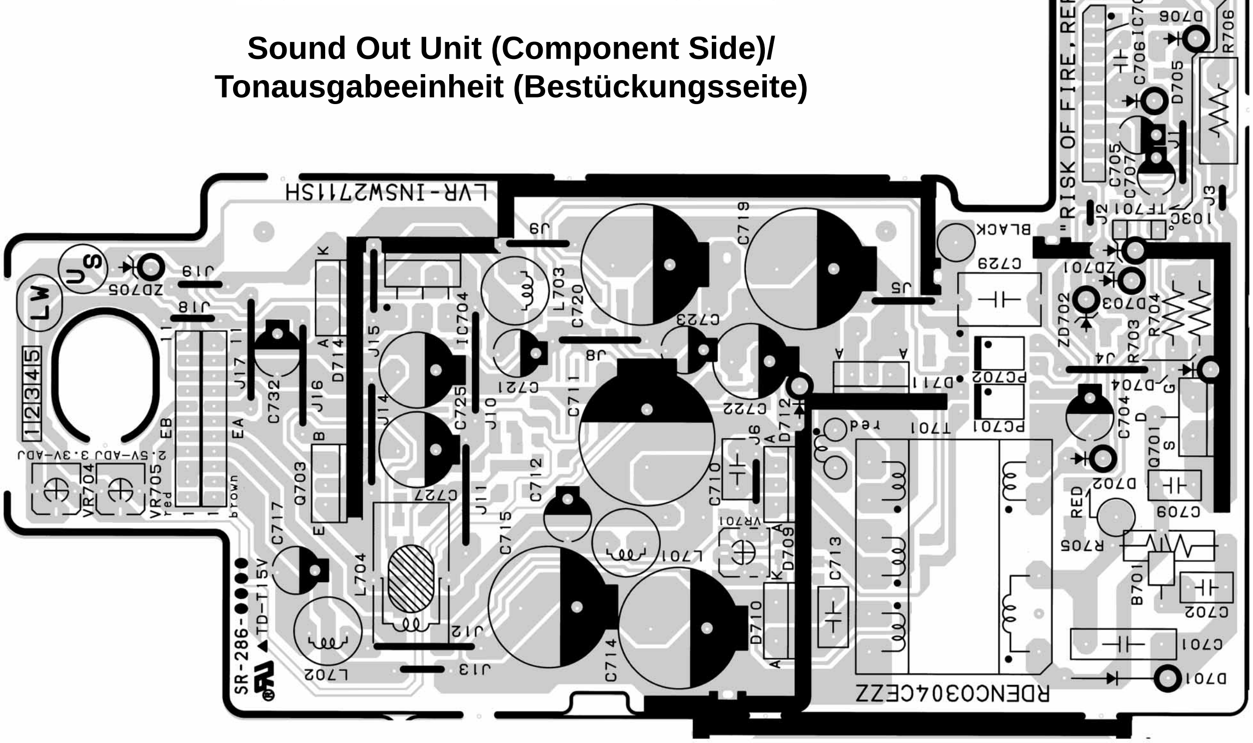
Power Unit (Component Side)/
Netzeinheit (Bestückungsseite)


"RISK OF FIRE,REPLASE FUSE AS MARKED"
RDENC0305CEZZ
1 2 3 4 5
SR-285
LVR-INPF2711SH
L751
R752
TR751
D756
R789
C769
TF751
L753
G Q751 D S
R772
J1
J16
L752
D751
PA
TD-T15V
WHITE
RED
ORANGE
BLUE
BLACK
C768
J19
C759
J2
J17
C772
C758
C757
C751
C752
R751
C755
C753
R753
US
LW

PFC Unit (Component Side)/
Leitungsfilter-Schaltung-Einheit (Bestückungsseite)


P302
KA185DE
P303
SO
C317
FB301
SP
R317
R311
C322
IC302
C326
C323
C318
C325
C324
R312
C320
C319
C321
IC302

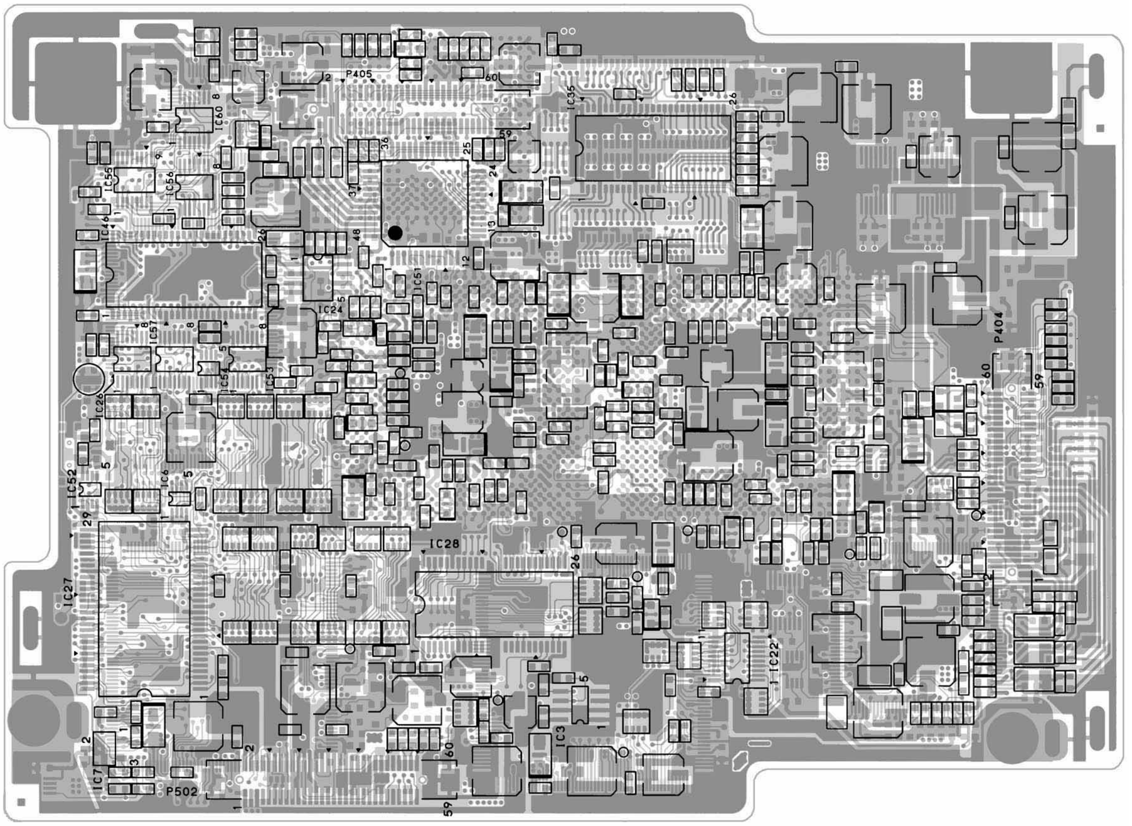
Sound Out Unit (Component Side)/
Tonausgabeeinheit (Bestückungsseite)


LVR-INSW2711SH
"RISK OF FIRE, REPLACE FUSE AS MARKED"
2A 250V
R727
RED
PF
IC701
D706
R706
C706
D705
C705
C707
J1
J3
J2
TF701
103C
BLACK
C729
ZD701
ZD702
D703
R704
R703
J4
PC702
D711
D704
C704
G
D
S
Q701
PC701
T701
red
D702
RED
C709
R705
B701
C702
C701
D701
RDENC0304CEZZ
J9
C719
J5
C723
C722
D712
L703
C720
IC704
J8
C721
C711
J6
C710
VR701
L701
D709
C713
D710
C714
C715
C712
J11
C727
J10
C725
J14
J15
D714
J16
C732
J17
Q703
C717
L704
J12
J13
L702
SR-286
TD-T15V
US
LW
ZD705
J19
J18
1 2 3 4 5
EA
EB
VR704
VR705
red
brown
2.5V-ADJ
3.3V-ADJ
A
K
B
E

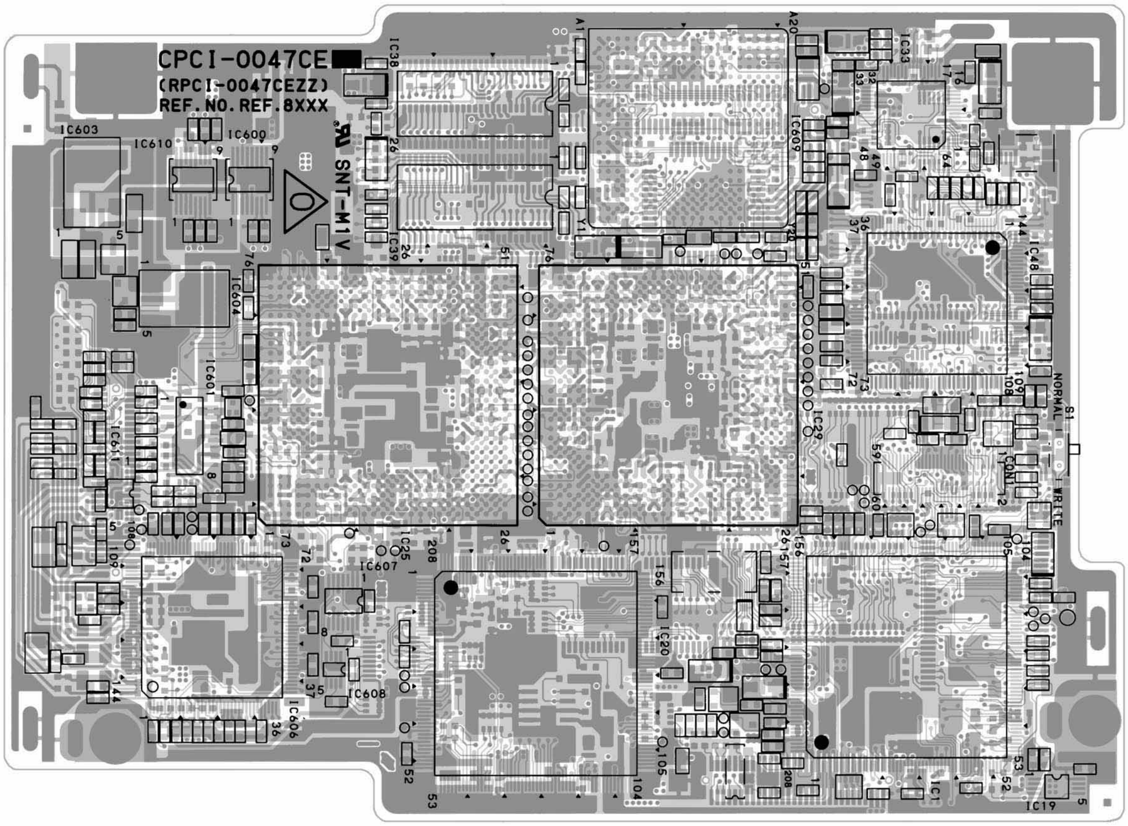
Power Unit (Component Side)/
Netzeinheit (Bestückungsseite)

H
G
F
E
D
C
B
A

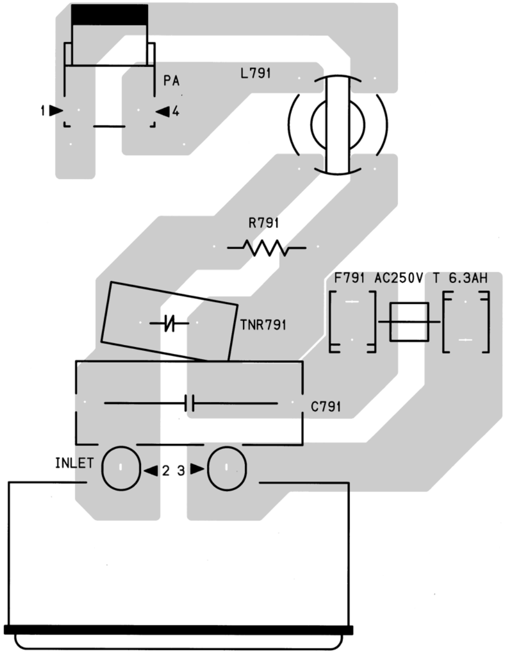
1	2	3	4	5	6


H
G
F
E
P405
IC35
IC60
IC55
IC56
IC46
IC24
IC51
IC57
IC53
IC26
IC52
IC6
IC28
IC27
IC22
IC3
IC7
P502
P404

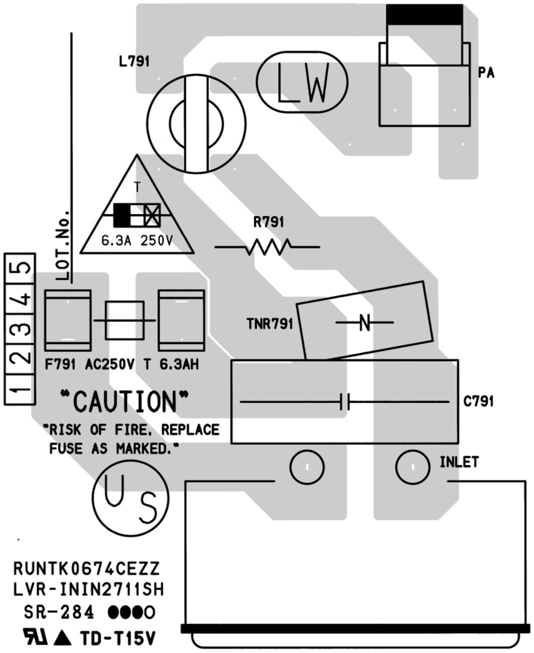
PC I/F Unit (Wiring Side) / PC-I/F Einheit (Leiterbahnseite)


D
C
B
A
CPCI-0047CE
(RPCI-0047CEZZ)
REF.NO.REF.8XXX
SNT-M1V
IC603
IC610
IC600
IC38
IC39
IC33
IC609
IC48
IC604
IC601
IC602
IC607
IC25
IC608
IC606
IC20
IC23
IC1
IC19
S1
NORMAL
WRITE
1
2
3
4
5
6

PC I/F Unit (Component Side) / PC-I/F Einheit (Bestückungsseite)


PA
L791
1
4
R791
F791 AC250V T 6.3AH
TNR791
C791
INLET
2 3

Inlet Unit (Wiring Side)/
Eingangseinheit (Leiterbahnseite)


L791
LW
PA
T
6.3A 250V
LOT.No.
5
4
3
2
1
R791
TNR791
F791 AC250V T 6.3AH
"CAUTION"
"RISK OF FIRE, REPLACE
FUSE AS MARKED."
US
C791
INLET
RUNTK0674CEZZ
LVR-ININ2711SH
SR-284 ●●●○
TD-T15V

Inlet Unit (Component Side)/
Eingangseinheit (Bestückungsseite)

PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

★ MARK : SPARE PARTS-DELIVERY SECTION

LCD PANELS

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

Ref. No.	Part No.	★	Description	Code
	RLCDP0102CEN1	J	LCD Module Unit, Red	CY
	RLCDP0103CEN1	J	LCD Module Unit, Green	CY
	RLCDP0104CEN1	J	LCD Module Unit, Blue	CY

PRINTED WIRING BOARD ASSEMBLIES
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	DUNTKA184DE02	–	Output Unit	—
	DUNTKA185DE02	–	Sound Out Unit	—
	DUNTKA186DE02	–	R/C Receiver Unit	—
	DUNTKA187DE02	–	Signal Unit	—
	DUNTKA188DE02	–	Terminal Unit	—
	RUNTK0674CEZZ	–	Inlet Unit	—
	RDENC0304CEZZ	–	Power Unit	—
	RDENC0305CEZZ	–	PFC Unit (Power Filter Circuit)	—
	CPCi-0047CE12	–	PC I/F Unit	—
	RDENC0302CEZZ	J	Ballast Unit (Unit Replacement Item)	CC

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet.
Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.
2. REF. NR.
3. ERSATZTEIL NR.
4. BESCHREIBUNG
5. KODE
6. QUANTITÄT

★ MARKIERUNG : ERSATZTEILE-LIEFERUNG

DUNTKA184DE02
OUTPUT UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC301	VHiTA8184F/-1	J	TA8184F	AN
IC809	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1101	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1102	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1201	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1202	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1301	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1302	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1601	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1602	VHiNJM2060V-1	J	NJM2060V	AF
IC1603	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1604	VHiTC4053BT-1	J	TC4053BFT	AG
IC1606	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC1610	VHiNJM2902V-1	J	NJM2902V	AD
IC1611	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC1612	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC1613	RH-iX1952CEZZ	J	74F86SJ	AD
IC1615	VHi74HCT125-1	J	HD74HCT125T	AF
IC1616	VHiNJM2904V-1	J	NJM2904V	AF
IC1617	VHi74HCT125-1	J	HD74HCT125T	AF
IC1618	VHi74HCT125-1	J	HD74HCT125T	AF
IC1619	RH-iX1952CEZZ	J	74F86SJ	AD
IC1620	RH-iX1952CEZZ	J	74F86SJ	AD
IC2102	VHiLM2202M/-1	J	LM2202MX	AR
IC2103	VHiNJM2060V-1	J	NJM2060V	AF
IC2104	VHiTC4W53U/-1	J	TC4W53FU	AF
IC2202	VHiLM2202M/-1	J	LM2202MX	AR
IC2203	VHiNJM2060V-1	J	NJM2060V	AF
IC2204	VHiTC4W53U/-1	J	TC4W53FU	AF
IC2302	VHiLM2202M/-1	J	LM2202MX	AR
IC2303	VHiNJM2060V-1	J	NJM2060V	AF
IC2304	VHiTC4W53U/-1	J	TC4W53FU	AF
IC2601	RH-iX3393CEZZ	J	I.C.	AR
IC2604	VHiT7SET08U-1	J	TC7SET08FU	AE
IC2605	VHiT7SET08U-1	J	TC7SET08FU	AE
IC2610	VHiT7WH241U-1	J	TC7WH241FU	AF
IC2611	VHiT7WH241U-1	J	TC7WH241FU	AF
IC4201	VHiT7SET08U-1	J	TC7SET08FU	AE
IC4202	VHiTC4W53U/-1	J	TC4W53FU	AF
IC4203	VHiTC4W66U/-1	J	TC4W66FU	AF
IC4204	VHiNJM2060V-1	J	NJM2060V	AF
IC4206	VHiNJM2904V-1	J	NJM2904V	AF
IC5001	VHiSNHC08T/-1	J	SN74HC08PW	AG
IC5101	VHiPQ05TZ11-1	J	PQ05TZ11	AH

DUNTKA184DE02
OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
IC5102	VHiLB1831M/-1	J	LB1831M	AN
IC5201	VHiM62352GP-1	J	M62352GP	AQ
IC5202	VHiM62352GP-1	J	M62352GP	AQ
IC5251	VHiM62352GP-1	J	M62352GP	AQ
IC5301	VHiM62320FP-1	J	M62320FP	AK
IC5302	VHiM62320FP-1	J	M62320FP	AK
IC5303	VHiBR24C64F-1	J	BR24C64F-E2	AL
IC5305	VHiM62352GP-1	J	M62352GP	AQ
IC5306	VHiSNHC00T/-1	J	SN74HC00PW	AG
IC5307	VHiM62320FP-1	J	M62320FP	AK
IC5501	VHiT7SET08U-1	J	TC7SET08FU	AE
IC6801	VHiTC4053BT-1	J	TC4053BFT	AG
IC6802	VHiNJM2902V-1	J	NJM2902V	AD
IC6803	VHiAD8051AT-1	J	AD8051ART	AP
IC6804	VHiAD8051AT-1	J	AD8051ART	AP
IC6805	VHiAD8051AT-1	J	AD8051ART	AP
IC6810	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC6811	VHiT7WH241U-1	J	TC7WH241FU	AF
IC6812	VHiT7WH241U-1	J	TC7WH241FU	AF
IC7001	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7011	RH-iX2204CEZZ	J	PQ05TZ11	AG
IC7021	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7051	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7061	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7091	VHiNJ7211U2-1	J	NJU7211U20	AG
IC7111	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7201	VHiPQ05SZ51-1	J	PQ05SZ51	AG
IC7202	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7203	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7204	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7205	RH-iX2296CEZZ	J	TC7S66F	AD
IC7207	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7208	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7210	VHiTC4W66U/-1	J	TC4W66FU	AF
IC7501	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7502	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7503	RH-iX2204CEZZ	J	PQ12TZ11	AG
IC8312	VHiAD8183++-1	J	AD8183ARU	AW
IC8313	VHiML64203/-1	J	Ml6420CS-3	AY

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q301	VS2SC3928AR-1	J	2SC3928AR	AB
Q1101	VS2SC3928AR-1	J	2SC3928AR	AB
Q1102	VS2SA1530AR-1	J	2SA1530AR	AB
Q1103	VS2SC3928AR-1	J	2SC3928AR	AB
Q1104	VS2SA1530AR-1	J	2SA1530AR	AB
Q1105	VS2SC3928AR-1	J	2SC3928AR	AB
Q1106	VS2SA1530AR-1	J	2SA1530AR	AB
Q1107	VS2SC3928AR-1	J	2SC3928AR	AB
Q1108	VS2SA1530AR-1	J	2SA1530AR	AB
Q1109	VS2SA1530AR-1	J	2SA1530AR	AB
Q1201	VS2SC3928AR-1	J	2SC3928AR	AB
Q1202	VS2SA1530AR-1	J	2SA1530AR	AB
Q1203	VS2SC3928AR-1	J	2SC3928AR	AB
Q1204	VS2SA1530AR-1	J	2SA1530AR	AB
Q1205	VS2SC3928AR-1	J	2SC3928AR	AB
Q1206	VS2SA1530AR-1	J	2SA1530AR	AB
Q1207	VS2SC3928AR-1	J	2SC3928AR	AB
Q1208	VS2SA1530AR-1	J	2SA1530AR	AB
Q1301	VS2SC3928AR-1	J	2SC3928AR	AB
Q1302	VS2SA1530AR-1	J	2SA1530AR	AB
Q1303	VS2SC3928AR-1	J	2SC3928AR	AB
Q1304	VS2SA1530AR-1	J	2SA1530AR	AB
Q1305	VS2SC3928AR-1	J	2SC3928AR	AB
Q1306	VS2SA1530AR-1	J	2SA1530AR	AB
Q1307	VS2SC3928AR-1	J	2SC3928AR	AB
Q1308	VS2SA1530AR-1	J	2SA1530AR	AB
Q1309	VS2SA1530AR-1	J	2SA1530AR	AB
Q1601	VS2SC3928AR-1	J	2SC3928AR	AB
Q1602	VS2SA1530AR-1	J	2SA1530AR	AB
Q1605	VSDTC144EU/-1	J	DTC144EU	AB
Q1606	VSDTC144EU/-1	J	DTC144EU	AB
Q1607	VSDTC144EU/-1	J	DTC144EU	AB
Q1608	VSDTC144EU/-1	J	DTC144EU	AB
Q1609	VSDTC144EU/-1	J	DTC144EU	AB
Q1610	VSDTC144EU/-1	J	DTC144EU	AB
Q1611	VSDTC144EU/-1	J	DTC144EU	AB
Q1612	VSDTC144EU/-1	J	DTC144EU	AB
Q1613	VSDTC144EU/-1	J	DTC144EU	AB
Q1614	VSDTC144EU/-1	J	DTC144EU	AB
Q1616	VS2SC3928AR-1	J	2SC3928AR	AB
Q2101	VS2SC2735//-1	J	2SC2735	AB
Q2103	VSiMZ1A////-1	J	IMZ1A	AC
Q2201	VS2SC2735//-1	J	2SC2735	AB
Q2203	VSiMZ1A////-1	J	IMZ1A	AC
Q2301	VS2SC2735//-1	J	2SC2735	AB
Q2303	VSiMZ1A////-1	J	IMZ1A	AC
Q2422	VSDTC114EU/-1	J	DTC114EU	AB
Q2609	VSDTC144EU/-1	J	DTC144EU	AB
Q4202	VS2SC3928AR-1	J	2SC3928AR	AB
Q4205	VS2SC3928AR-1	J	2SC3928AR	AB
Q4206	VS2SC3928AR-1	J	2SC3928AR	AB
Q4207	VSDTC114EU/-1	J	DTC114EU	AB
Q4208	VSDTC114EU/-1	J	DTC114EU	AB
Q4209	VS2SA1530AR-1	J	2SA1530AR	AB
Q5001	VS2SC3928AR-1	J	2SC3928AR	AB
Q5002	VS2SC3928AR-1	J	2SC3928AR	AB
Q5003	VS2SC3928AR-1	J	2SC3928AR	AB
Q5004	VS2SC3928AR-1	J	2SC3928AR	AB
Q5005	VS2SC3928AR-1	J	2SC3928AR	AB
Q5006	VS2SC3928AR-1	J	2SC3928AR	AB
Q5007	VS2SC3928AR-1	J	2SC3928AR	AB
Q5008	VS2SC3928AR-1	J	2SC3928AR	AB
Q5009	VS2SC3928AR-1	J	2SC3928AR	AB
Q5011	VSDTC144EU/-1	J	DTC144EU	AB
Q5012	VSDTC144EU/-1	J	DTC144EU	AB
Q5301	VS2SC3928AR-1	J	2SC3928AR	AB
Q5302	VS2SC3928AR-1	J	2SC3928AR	AB
Q5304	VS2SC2735//-1	J	2SC2735	AB
Q5305	VS2SC2735//-1	J	2SC2735	AB
Q5306	VS2SC2735//-1	J	2SC2735	AB
Q5307	VS2SC2735//-1	J	2SC2735	AB
Q5308	VSDTC144EU/-1	J	DTC144EU	AB
Q6813	VS2SC3928AR-1	J	2SC3928AR	AB
Q6814	VS2SC3928AR-1	J	2SC3928AR	AB
Q6815	VS2SC3928AR-1	J	2SC3928AR	AB
Q7001	VS2SA1530AR-1	J	2SA1530AR	AB
Q7003	VSDTC144EU/-1	J	DTC144EU	AB
Q7071	VS2SB1132Q/-1	J	2SB1132Q	AC
Q7072	VS2SD1664R/-1	J	2SD1664R	AC
Q7073	VS2SA1530AR-1	J	2SA1530AR	AB
Q7074	VS2SC3928AR-1	J	2SC3928AR	AB
Q7081	VS2SD1664R/-1	J	2SD1664R	AC
Q7082	VS2SD1664R/-1	J	2SD1664R	AC
Q7091	VS2SA1530AR-1	J	2SA1530AR	AB
Q7092	VS2SD1664R/-1	J	2SD1664R	AC
Q7093	VS2SC3928AR-1	J	2SC3928AR	AB
Q7094	VS2SB1132Q/-1	J	2SB1132Q	AC
Q7201	VS2SC3928AR-1	J	2SC3928AR	AB
Q7202	VSDTC114EU/-1	J	DTC114EU	AB
Q7203	VS2SC3928AR-1	J	2SC3928AR	AB
Q7204	VS2SC3928AR-1	J	2SC3928AR	AB
Q7205	VS2SA1530AR-1	J	2SA1530AR	AB
Q7206	VS2SA1530AR-1	J	2SA1530AR	AB
Q7207	VSDTC114EU/-1	J	DTC114EU	AB
Q7208	VS2SC3928AR-1	J	2SC3928AR	AB
Q7210	VSDTC114EU/-1	J	DTC114EU	AB
Q8040	VSDTC114EU/-1	J	DTC114EU	AB
Q8041	VSDTC114EU/-1	J	DTC114EU	AB
Q8042	VSDTC114EU/-1	J	DTC114EU	AB
Q8043	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q8044	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q8045	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q8601	VSiMZ1A////-1	J	IMZ1A	AC
Q8602	VSiMZ1A////-1	J	IMZ1A	AC
Q8603	VSiMZ1A////-1	J	IMZ1A	AC

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OUTPUT UNIT (Continued)

DIODES

Ref. No.	Part No.	★	Description	Code
D802	VHDDAN202K/-1	J	Diode	AB
D1601	VHDDAN202K/-1	J	Diode	AB
D1602	VHDDAN202K/-1	J	Diode	AB
D2625	VHDMA3120WA-1	J	Diode	AK
D5001	VHDRB425D//-1	J	Diode	AD
D5002	VHDRB425D//-1	J	Diode	AD
D5003	VHDRB425D//-1	J	Diode	AD
D5004	VHDRB425D//-1	J	Diode	AD
D5005	VHDMA153///-1	J	Diode	AB
D5006	VHDMA153///-1	J	Diode	AB
D5007	VHDMA153///-1	J	Diode	AB
D5008	VHDMA153///-1	J	Diode	AB
D5009	VHDRB425D//-1	J	Diode	AD
D5010	VHDRB425D//-1	J	Diode	AD
D5011	VHDRB425D//-1	J	Diode	AD
D5012	VHDRB425D//-1	J	Diode	AD
D5013	VHDRB425D//-1	J	Diode	AD
D5014	VHDMA153///-1	J	Diode	AB
D5015	VHDMA153///-1	J	Diode	AB
D5016	VHDMA153///-1	J	Diode	AB
D5017	VHDMA153///-1	J	Diode	AB
D5018	VHDMA153///-1	J	Diode	AB
D5101	VHDDAN202K/-1	J	Diode	AB
D7001	VHDDAN202K/-1	J	Diode	AB
D7011	VHDDAN202K/-1	J	Diode	AB
D7021	VHDDAN202K/-1	J	Diode	AB
D7051	VHDDAN202K/-1	J	Diode	AB
D7061	VHDDAN202K/-1	J	Diode	AB
D7071	RH-EX0519CEZZ	J	Zener Diode	AB
D7072	VHDDAN202K/-1	J	Diode	AB
D7091	VHDDAN202K/-1	J	Diode	AB
D7092	RH-EX0519CEZZ	J	Zener Diode	AB
D7111	VHDDAN202K/-1	J	Diode	AB
D7112	RH-EX0858CEZZ	J	Zener Diode	AC
D7201	VHDDAN202K/-1	J	Diode	AB
D7202	VHDDAN202K/-1	J	Diode	AB
D7203	VHDDAN202K/-1	J	Diode	AB
D7204	VHDDAN202K/-1	J	Diode	AB
D7205	RH-EX0228CEZZ	J	Zener Diode	AB
D7206	VHDDAN202K/-1	J	Diode	AB
D7207	VHDDAN202K/-1	J	Diode	AB
D7208	VHDDAN202K/-1	J	Diode	AB
D7209	VHDDAN202K/-1	J	Diode	AB
D7210	VHDDAN202K/-1	J	Diode	AB
D7501	VHDDAN202K/-1	J	Diode	AB
D7502	VHDDAN202K/-1	J	Diode	AB
D7503	VHDDAN202K/-1	J	Diode	AB

PACKAGED CIRCUIT

Ref. No.	Part No.	★	Description	Code
X2601	RCRSB0286CEZZ	J	Crystal	AH

COILS

Ref. No.	Part No.	★	Description	Code
L1101	VP-1M100J1R6N	J	Peaking 10µH	AC
L1102	VP-1M100J1R6N	J	Peaking 10µH	AC
L1201	VP-1M100J1R6N	J	Peaking 10µH	AC
L1202	VP-1M100J1R6N	J	Peaking 10µH	AC
L1301	VP-1M100J1R6N	J	Peaking 10µH	AC
L1302	VP-1M100J1R6N	J	Peaking 10µH	AC
L2101	VP-1M100J1R6N	J	Peaking 10µH	AC
L2102	VP-1M100J1R6N	J	Peaking 10µH	AC
L2201	VP-1M100J1R6N	J	Peaking 10µH	AC
L2202	VP-1M100J1R6N	J	Peaking 10µH	AC
L2301	VP-1M100J1R6N	J	Peaking 10µH	AC
L2302	VP-1M100J1R6N	J	Peaking 10µH	AC
L2401	VP-1M220J2R9N	J	Peaking 22µH	AC

CONTROL

Ref. No.	Part No.	★	Description	Code
R4215	RVR-M7904TAZZ	J	33k (B)	AC

CAPACITORS

[MLFT ··· Multi Layer Film Tip]

Ref. No.	Part No.	★	Description			Code
C301	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C302	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C303	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C304	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C305	VCFRED1HM822J	J	8200p	50V	MLFT	AD
C306	VCFRED1HM822J	J	8200p	50V	MLFT	AD
C307	VCFYEC1CM334J	J	0.33	16V	MLFT	AE
C308	VCFYEC1CM334J	J	0.33	16V	MLFT	AE
C309	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C310	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C311	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C312	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C313	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C314	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C315	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C316	VCKYCY1CF154Z	J	0.15	16V	Ceramic	AB
C327	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C882	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C1101	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1102	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1103	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1104	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1105	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1106	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1107	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1108	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1109	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1110	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1111	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1112	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1113	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1114	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1115	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1117	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1118	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1119	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1120	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1123	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1124	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1128	VCCCCY1HH7R0D	J	7.0p	50V	Ceramic	AA
C1129	VCCCCY1HH6R0D	J	6.0p	50V	Ceramic	AA
C1201	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1202	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1203	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1204	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1206	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1207	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1208	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1209	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1210	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1211	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1212	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1213	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1214	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1215	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1217	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1218	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1219	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1220	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1223	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1224	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1225	VCCCCY1HH6R0D	J	6.0p	50V	Ceramic	AA
C1228	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C1230	VCCCPA1HH6R0D	J	6.0p	50V	Ceramic	AA
C1301	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1302	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1303	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1304	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1305	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1306	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1307	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1308	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1309	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
C1310	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1311	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1312	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1313	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1314	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1315	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1317	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1318	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1319	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1320	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1323	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1324	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1328	VCCCCY1HH4R0C	J	4.0p 50V Ceramic	AA
C1601	VCEAPV1VW226M	J	22 35V Electrolytic	AD
C1602	VCEAPV1EW226M	J	22 25V Electrolytic	AD
C1603	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1604	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1605	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1606	VCEAPV1VW226M	J	22 35V Electrolytic	AD
C1607	VCEAPV1EW226M	J	22 25V Electrolytic	AD
C1608	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1610	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1613	VCCCCY1HH471J	J	470p 50V Ceramic	AA
C1618	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1619	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1620	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1621	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1622	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1623	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1624	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1625	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1626	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1627	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1628	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1629	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1630	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1631	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1632	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1633	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1634	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1635	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1636	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1637	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1638	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1639	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1640	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C1641	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C1701	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C1702	VCEAPV1CW106M	J	10 16V Electrolytic	AD
C1703	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C1704	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2101	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2109	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2110	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2111	VCEAPV1CW106M	J	10 16V Electrolytic	AD
C2112	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2113	VCEAPV1CW106M	J	10 16V Electrolytic	AD
C2114	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2115	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2116	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2117	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2118	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2119	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2120	VCEAPV1CW476M	J	47 16V Electrolytic	AD
C2121	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2122	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2123	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2125	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2126	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C2130	VCCCCY1HH4R0C	J	4.0p 50V Ceramic	AA
C2131	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C2132	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C2133	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2134	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2135	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2136	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2137	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2201	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2209	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2210	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2211	VCEAPV1CW106M	J	10 16V Electrolytic	AD
C2212	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2213	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2214	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2215	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2216	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2217	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2218	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2219	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2220	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2225	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2226	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C2230	VCCCCY1HH5R0C	J	5.0p 50V Ceramic	AA
C2231	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C2232	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C2233	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2234	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2235	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2236	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2237	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2301	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2309	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2310	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2311	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2312	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2313	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2314	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2315	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2316	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2317	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2318	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2319	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C2320	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2325	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2326	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C2330	VCCCCY1HH5R0C	J	5.0p 50V Ceramic	AA
C2331	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C2332	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C2333	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2334	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2335	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2336	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2337	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2408	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C2419	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C2604	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C2605	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2607	VCFYEC1CM104J	J	0.1 16V Mylar	AD
C2609	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C2610	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C2618	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2619	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C2620	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2621	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C2622	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C2623	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C4127	VCCCCY1HH270J	J	27p 50V Ceramic	AA
C4128	VCCCCY1HH8R0D	J	8.0p 50V Ceramic	AA
C4201	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4203	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C4204	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C4210	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4213	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4214	VCCCCY1EH102J	J	1000p 25V Ceramic	AB
C4215	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4216	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C4217	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4218	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C4221	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4222	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C4227	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C4228	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C4229	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C4230	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C5001	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5002	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5004	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5005	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5101	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C5102	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5103	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5104	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5105	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5106	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5107	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5108	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5201	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5202	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C5203	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5204	RC-EZ1138CEZZ	J	10	6.3V	Electrolytic	AF
C5205	RC-EZ1138CEZZ	J	10	6.3V	Electrolytic	AF
C5220	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C5251	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5301	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5302	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5303	VCEAPV0JW476M	J	47	6.3V	Electrolytic	AD
C5304	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C5305	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5306	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5308	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5310	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C5311	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5312	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5313	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C5314	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C5315	VCEAPV0JW476M	J	47	6.3V	Electrolytic	AD
C5316	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C5567	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C5572	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5573	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5574	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5575	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5590	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C6801	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6802	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6803	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6811	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6841	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6842	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C6843	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6844	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6845	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6846	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6847	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6848	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6849	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6850	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6851	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C6852	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C7001	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7002	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7003	VCEAPK0JN227M	J	220	6.3V	Electrolytic	AD
C7004	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7011	VCEAPV1EW336M	J	33	25V	Electrolytic	AD
C7012	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7021	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7022	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7051	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7052	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7053	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7054	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7061	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7062	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7063	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7064	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7071	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C7072	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C7073	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C7091	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C7092	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C7093	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C7094	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7095	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7096	VCEAPV1CW226M	J	22	16V	Electrolytic	AD
C7097	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7111	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7112	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7114	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C7115	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7201	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C7202	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C7203	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7204	VCEAPF1EW336M	J	33	25V	Electrolytic	AB
C7205	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7206	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7207	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7208	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C7209	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C7210	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7211	VCEAPF1EW336M	J	33	25V	Electrolytic	AB
C7212	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C7213	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7214	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C7215	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C7216	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C7217	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7218	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7219	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C7220	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C7221	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C7224	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7225	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7227	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7228	VCEAPF1EW336M	J	33	25V	Electrolytic	AB
C7229	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C7230	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7231	VCEAPV1CW336M	J	33	16V	Electrolytic	AD
C7232	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C7233	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C7234	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C7240	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C7501	VCEAPV1EW336M	J	33	25V	Electrolytic	AD
C7502	VCEAPV1CW226M	J	22	16V	Electrolytic	AD
C7503	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C7504	VCEAPV1EW336M	J	33	25V	Electrolytic	AD
C7505	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C7506	VCEAPV0JW107M	J	100	6.3V	Electrolytic	AD
C8543	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C8545	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C8546	VCEAPV1CW226M	J	22	16V	Electrolytic	AD
C8548	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C8550	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C8551	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C8552	VCCCCY1HH390J	J	39p	50V	Ceramic	AA
C8553	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C8554	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C8555	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C8556	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C8557	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C8558	VCEAPV1CW106M	J	10	16V	Electrolytic	AD

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OUTPUT UNIT (Continued)

RESISTORS

Ref. No.	Part No.	★	Description	Code
R301	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R302	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R303	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R304	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R305	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R306	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R307	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R308	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R309	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R310	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R313	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R314	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R315	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R316	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R915	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R916	VRN-CY1JF102D	J	1.0k 1/16W Metal Film	AB
R917	VRN-CY1JF562D	J	5.6k 1/16W Metal Film	AB
R918	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R919	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R1050	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1071	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1095	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1101	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1102	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1103	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R1104	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1106	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1107	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R1108	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1109	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1110	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1115	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1116	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1117	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1118	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1120	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1122	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1125	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1126	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1127	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1128	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1129	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1130	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1131	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1132	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA
R1133	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA
R1134	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1135	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1136	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1137	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1138	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1139	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1140	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1143	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1144	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1145	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1146	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1147	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1148	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1149	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R1150	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1152	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1153	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R1156	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1158	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1161	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1162	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1164	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1165	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1166	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1167	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1168	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1169	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1171	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1172	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1173	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1174	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1175	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1176	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1178	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1179	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1180	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1181	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1182	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1184	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1185	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1186	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1187	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1188	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1189	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1190	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1191	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1192	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1193	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1195	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1196	VRS-TV1JD270J	J	27 1/16W Metal Oxide	AA
R1197	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R1198	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1199	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1201	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1202	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1203	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R1204	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1205	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1206	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1207	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R1208	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1209	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1210	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1215	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1216	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1217	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1218	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1220	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1222	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1225	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1226	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1227	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1228	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1229	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1230	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1231	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1234	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1235	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1236	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1237	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1238	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1239	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1240	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1243	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1244	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1245	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1246	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1247	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1248	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1249	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R1250	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1252	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1253	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R1256	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1258	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1261	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1262	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1264	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1265	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R1266	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1267	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1268	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1269	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1271	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1272	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1273	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1274	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1275	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1276	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1278	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1279	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1280	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1281	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1282	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1284	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1285	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1286	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1287	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1288	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1289	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1290	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1291	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1292	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1293	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1295	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R1298	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1299	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1301	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1302	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1303	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R1304	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1305	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1306	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1307	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R1308	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1309	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1310	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1315	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1316	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1317	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1318	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1320	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1322	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1325	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1326	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1327	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1328	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1329	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1330	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1331	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1332	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R1333	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R1334	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1335	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1336	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1337	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1338	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1339	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1340	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1343	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1344	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1345	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1346	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1347	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1348	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1349	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R1350	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1352	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1353	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R1356	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1358	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1361	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1362	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1364	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1365	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1366	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1367	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1368	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1369	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1371	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1372	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1373	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1374	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1375	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1376	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1378	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1379	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1380	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1384	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1385	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1386	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1387	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1388	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1389	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1390	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1391	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1392	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1393	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1395	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R1396	VRS-TV1JD270J	J	27 1/16W Metal Oxide	AA
R1397	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1398	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1399	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1601	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R1602	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1603	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R1604	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R1605	VRS-CY1JF510F	J	51 1/16W Metal Oxide	AA
R1606	VRS-CY1JF202J	J	2.0k 1/16W Metal Oxide	AA
R1607	VRS-CY1JF2R2J	J	2.2 1/16W Metal Oxide	AA
R1608	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R1609	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1610	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1611	VRS-CY1JF302J	J	3.0k 1/16W Metal Oxide	AA
R1612	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R1613	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1614	VRS-CY1JF2R2J	J	2.2 1/16W Metal Oxide	AA
R1615	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1616	VRS-CY1JF123F	J	12k 1/16W Metal Oxide	AA
R1617	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R1618	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R1619	VRS-TV1JD4R7J	J	4.7 1/16W Metal Oxide	AA
R1620	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R1621	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R1622	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1623	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1624	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1625	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1628	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1629	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R1631	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1632	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1633	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1634	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1635	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1636	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1637	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1639	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1647	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1652	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R1653	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R1654	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R1655	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R1656	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R1657	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R1659	VRS-CY1JF203J	J	20k 1/16W Metal Oxide	AA
R1660	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R1661	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1666	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1669	VRS-CY1JF203J	J	20k 1/16W Metal Oxide	AA
R1670	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1673	VRS-CY1JF203J	J	20k 1/16W Metal Oxide	AA
R1676	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1677	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1678	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1679	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1680	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1681	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1682	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1683	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1684	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R1685	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1690	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1691	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1692	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1693	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1694	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1695	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1696	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R1697	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R1698	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R1699	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1701	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1711	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R1712	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R1713	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1714	VRS-CY1JF203F	J	20k 1/16W Metal Oxide	AA
R1715	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R1716	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2107	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2108	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2109	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2110	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2111	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R2112	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2113	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2114	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2116	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R2120	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R2124	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2131	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2132	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2133	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2136	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2137	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2138	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2139	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2140	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2141	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2142	VRS-CY1JF5R6J	J	5.6 1/16W Metal Oxide	AA
R2143	VRS-CY1JF5R6J	J	5.6 1/16W Metal Oxide	AA
R2144	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R2147	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R2148	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2149	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2150	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2207	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2208	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2209	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2210	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2211	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R2212	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2213	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2214	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2216	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R2220	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R2222	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2224	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2231	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2232	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2233	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2236	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2237	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2238	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2239	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2240	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2241	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2242	VRS-CY1JF5R6J	J	5.6 1/16W Metal Oxide	AA
R2243	VRS-CY1JF5R6J	J	5.6 1/16W Metal Oxide	AA
R2244	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R2247	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R2248	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2249	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2250	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2307	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2308	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2309	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2310	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2311	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R2312	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2313	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2314	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2316	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R2320	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R2324	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2331	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2332	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2333	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R2336	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R2337	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2338	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2339	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2340	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2341	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R2342	VRS-CY1JF5R6J	J	5.6 1/16W Metal Oxide	AA
R2343	VRS-CY1JF5R6J	J	5.6 1/16W Metal Oxide	AA
R2344	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R2347	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R2348	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2349	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2350	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2449	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2481	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2630	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2633	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2634	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2635	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2636	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2637	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2638	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2641	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2642	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2643	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2644	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R2645	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R2646	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R2647	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2648	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R2652	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2654	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R2656	VRS-CB1JF104J	J	100k 1/16W Metal Oxide	AA
R2657	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2658	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R2659	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R2660	VRS-CB1JF104J	J	100k 1/16W Metal Oxide	AA
R2661	VRS-CB1JF104J	J	100k 1/16W Metal Oxide	AA
R2662	VRS-CB1JF100J	J	10 1/16W Metal Oxide	AA
R2663	VRS-CB1JF100J	J	10 1/16W Metal Oxide	AA
R2667	VRS-CB1JF100J	J	10 1/16W Metal Oxide	AA
R2669	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R2671	VRS-CB1JF100J	J	10 1/16W Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R2681	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2695	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2696	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2697	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2698	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2713	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2716	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2720	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R2721	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2722	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R2723	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2724	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2725	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2726	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4210	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4211	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4212	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4213	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R4214	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4217	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4218	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R4219	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4220	VRS-TV1JD151J	J	150 1/16W Metal Oxide	AA
R4223	VRS-CY1JF151J	J	150 1/16W Metal Oxide	AA
R4224	VRS-CY1JF222F	J	2.2k 1/16W Metal Oxide	AA
R4226	VRS-CY1JF133F	J	13k 1/16W Metal Oxide	AA
R4227	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R4228	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R4231	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4233	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4234	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4238	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5001	VRS-TW2ED000J	J	0 1/4W Metal Oxide	AB
R5002	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R5006	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R5010	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5011	VRS-TW2ED470J	J	47 1/4W Metal Oxide	AA
R5012	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R5013	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R5014	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R5015	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5016	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5017	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5019	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R5020	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5021	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5022	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5023	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5024	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5025	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5026	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5027	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5028	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5029	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5030	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5031	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5032	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5034	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5035	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5036	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5037	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5038	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5039	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5045	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R5046	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R5050	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5051	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5102	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5103	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5104	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5105	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5106	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5107	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5108	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5109	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5201	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5202	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5203	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5204	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5205	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5206	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5207	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5208	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R5209	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R5210	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5211	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R5212	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R5213	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5214	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R5215	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R5221	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R5251	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5252	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5253	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5301	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5302	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5303	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5304	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5305	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5306	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5307	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5308	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5309	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5310	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5311	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5313	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5314	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5315	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5317	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5318	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5319	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5320	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5321	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5322	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5323	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5324	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5325	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5326	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5328	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5330	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5335	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R5336	VRS-TV1JD471J	J	470 1/16W Metal Oxide	AA
R5337	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5338	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5341	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5342	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5343	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5344	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5345	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5346	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5347	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5348	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5349	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5350	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5351	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5352	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5353	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5354	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5355	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5356	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5357	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5358	VRN-CY1JF472D	J	4.7k 1/16W Metal Film	AA
R5360	VRN-CY1JF272D	J	2.7k 1/16W Metal Film	AB
R5361	VRN-CY1JF273D	J	27k 1/16W Metal Film	AB
R5362	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5363	VRN-CY1JF272D	J	2.7k 1/16W Metal Film	AB

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R5364	VRS-CY1JF472J		J 4.7k 1/16W Metal Oxide	AA
R5365	VRS-CY1JF472J		J 4.7k 1/16W Metal Oxide	AA
R5366	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R5367	VRS-CY1JF472J		J 4.7k 1/16W Metal Oxide	AA
R5368	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R5369	VRS-CY1JF472J		J 4.7k 1/16W Metal Oxide	AA
R5370	VRS-CY1JF121J		J 120 1/16W Metal Oxide	AA
R5371	VRS-TV1JD121J		J 120 1/16W Metal Oxide	AA
R5372	VRS-TV1JD121J		J 120 1/16W Metal Oxide	AA
R5373	VRS-CY1JF121J		J 120 1/16W Metal Oxide	AA
R5374	VRS-CY1JF472J		J 4.7k 1/16W Metal Oxide	AA
R5375	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R5377	VRS-CY1JF472J		J 4.7k 1/16W Metal Oxide	AA
R5378	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R5385	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R5392	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5393	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5395	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5397	VRS-TV1JD000J		J 0 1/16W Metal Oxide	AA
R5398	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5410	VRS-CY1JF272J		J 2.7k 1/16W Metal Oxide	AA
R5411	VRS-CY1JF272J		J 2.7k 1/16W Metal Oxide	AA
R5412	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5501	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R5502	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5503	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5504	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5505	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5506	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5507	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5509	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5510	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5511	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5524	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R5525	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R5526	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R5527	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R6802	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R6804	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R6806	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R6870	VRS-CY1JF681J		J 680 1/16W Metal Oxide	AA
R6871	VRS-CY1JF470J		J 47 1/16W Metal Oxide	AA
R6872	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R6873	VRS-CY1JF681J		J 680 1/16W Metal Oxide	AA
R6874	VRS-CY1JF470J		J 47 1/16W Metal Oxide	AA
R6875	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R6876	VRS-CY1JF681J		J 680 1/16W Metal Oxide	AA
R6877	VRS-CY1JF470J		J 47 1/16W Metal Oxide	AA
R6878	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R6879	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R6880	VRS-CY1JF472J		J 4.7k 1/16W Metal Oxide	AA
R6883	VRS-CY1JF682J		J 6.8k 1/16W Metal Oxide	AA
R6884	VRS-CY1JF104J		J 100k 1/16W Metal Oxide	AA
R6885	VRS-CY1JF104J		J 100k 1/16W Metal Oxide	AA
R6886	VRS-CY1JF104J		J 100k 1/16W Metal Oxide	AA
R6887	VRS-CY1JF121J		J 120 1/16W Metal Oxide	AA
R6888	VRS-CY1JF221J		J 220 1/16W Metal Oxide	AA
R6889	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R6890	VRS-CY1JF121J		J 120 1/16W Metal Oxide	AA
R6891	VRS-CY1JF221J		J 220 1/16W Metal Oxide	AA
R6892	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R6893	VRS-CY1JF121J		J 120 1/16W Metal Oxide	AA
R6894	VRS-CY1JF221J		J 220 1/16W Metal Oxide	AA
R6895	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R6896	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R6897	VRS-CY1JF682J		J 6.8k 1/16W Metal Oxide	AA
R6898	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R6899	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R7001	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7003	VRS-CY1JF471J		J 470 1/16W Metal Oxide	AA
R7004	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R7006	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7008	VRS-TX2HF1R0J		J 1.0 1/2W Metal Oxide	AA
R7009	VRS-TX2HF1R0J		J 1.0 1/2W Metal Oxide	AA
R7011	VRS-TX2HF2R2J		J 2.2 1/2W Metal Oxide	AB
R7013	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7021	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7051	VRS-TX2HF1R0J		J 1.0 1/2W Metal Oxide	AA
R7052	VRS-TX2HF1R0J		J 1.0 1/2W Metal Oxide	AA
R7053	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7061	VRS-TX2HF1R0J		J 1.0 1/2W Metal Oxide	AA
R7062	VRS-TX2HF1R0J		J 1.0 1/2W Metal Oxide	AA
R7063	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7071	VRS-CY1JF331J		J 330 1/16W Metal Oxide	AA
R7072	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R7073	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7074	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7075	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7076	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7077	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7079	VRS-CR3AD4R7J		J 4.7 1W Metal Oxide	AC
R7080	VRS-CR3AD4R7J		J 4.7 1W Metal Oxide	AC
R7081	VRS-TX2HF2R2J		J 2.2 1/2W Metal Oxide	AB
R7082	VRS-TX2HF2R2J		J 2.2 1/2W Metal Oxide	AB
R7083	VRS-CY1JF821J		J 820 1/16W Metal Oxide	AA
R7085	VRS-TV1JD000J		J 0 1/16W Metal Oxide	AA
R7086	VRS-TV1JD000J		J 0 1/16W Metal Oxide	AA
R7087	VRS-TV1JD000J		J 0 1/16W Metal Oxide	AA
R7091	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R7092	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7093	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7094	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7095	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7096	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7097	VRS-CY1JF331J		J 330 1/16W Metal Oxide	AA
R7098	VRS-CY1JF473J		J 47k 1/16W Metal Oxide	AA
R7101	VRS-TQ2BD000J		J 0 1/8W Metal Oxide	AA
R7102	VRS-TQ2BD000J		J 0 1/8W Metal Oxide	AA
R7111	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7112	VRS-CY1JF822F		J 8.2k 1/16W Metal Oxide	AA
R7113	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R7114	VRS-CY1JF472F		J 4.7k 1/16W Metal Oxide	AA
R7115	VRS-TX2HF3R9J		J 3.9 1/2W Metal Oxide	AB
R7116	VRS-TX2HF3R9J		J 3.9 1/2W Metal Oxide	AB
R7201	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7202	VRS-CY1JF223J		J 22k 1/16W Metal Oxide	AA
R7203	VRS-CY1JF393J		J 39k 1/16W Metal Oxide	AA
R7204	VRS-CR3AD2R2J		J 2.2 1W Metal Oxide	AC
R7205	VRS-CR3AD2R2J		J 2.2 1W Metal Oxide	AC
R7206	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R7207	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R7208	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R7209	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R7210	VRS-CB1JF102J		J 1.0k 1/16W Metal Oxide	AA
R7211	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7212	VRS-CY1JF822F		J 8.2k 1/16W Metal Oxide	AA
R7213	VRS-CY1JF683F		J 68k 1/16W Metal Oxide	AA
R7214	VRS-CY1JF102F		J 1.0k 1/16W Metal Oxide	AA
R7215	VRS-CY1JF393J		J 39k 1/16W Metal Oxide	AA
R7216	VRS-CY1JF153F		J 15k 1/16W Metal Oxide	AA
R7217	VRS-TX2HF2R2J		J 2.2 1/2W Metal Oxide	AB
R7218	VRS-TX2HF2R2J		J 2.2 1/2W Metal Oxide	AB
R7219	VRS-CY1JF562J		J 5.6k 1/16W Metal Oxide	AA
R7220	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R7221	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7222	VRS-CY1JF682J		J 6.8k 1/16W Metal Oxide	AA
R7223	VRS-CY1JF153J		J 15k 1/16W Metal Oxide	AA
R7224	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R7225	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R7226	VRS-CY1JF103F		J 10k 1/16W Metal Oxide	AA
R7227	VRS-CY1JF563F		J 56k 1/16W Metal Oxide	AA
R7228	VRS-CY1JF102F		J 1.0k 1/16W Metal Oxide	AA
R7229	VRS-CY1JF223J		J 22k 1/16W Metal Oxide	AA
R7230	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R7231	VRS-CY1JF473J		J 47k 1/16W Metal Oxide	AA
R7233	VRS-CY1JF223J		J 22k 1/16W Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R7234	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA
R7235	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R7236	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R7237	VRS-CY1JF683F	J	68k 1/16W Metal Oxide	AA
R7238	VRS-CY1JF122F	J	1.2k 1/16W Metal Oxide	AA
R7239	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R7241	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R7243	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7244	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7249	VRS-CY1JF473F	J	47k 1/16W Metal Oxide	AA
R7250	VRS-CY1JF184J	J	180k 1/16W Metal Oxide	AA
R7251	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R7252	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7253	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R7254	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R7255	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R7256	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7257	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7259	VRS-TX2HF3R9J	J	3.9 1/2W Metal Oxide	AB
R7261	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7262	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R7263	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA
R7264	VRS-CY1JF122F	J	1.2k 1/16W Metal Oxide	AA
R7268	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R7269	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7270	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7271	VRS-CY1JF333F	J	33k 1/16W Metal Oxide	AA
R7272	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7273	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R7280	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7281	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7282	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7283	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7284	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7287	VRS-VV3AB120J	J	12 1W Metal Oxide	AA
R7288	VRS-VV3AB120J	J	12 1W Metal Oxide	AA
R7501	VRS-TW2ED4R7J	J	4.7 1/4W Metal Oxide	AA
R7502	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7503	VRS-CY1JF622J	J	6.2k 1/16W Metal Oxide	AA
R7504	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7506	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R7507	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R7508	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7509	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R8527	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R8539	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R8557	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R8601	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R8603	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R8605	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R8611	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R8612	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R8636	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R8711	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R8712	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R8713	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R8720	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R8722	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R8723	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R8725	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R8727	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R8728	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R8729	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R8730	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R8733	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R8734	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R8735	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R8736	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R8745	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R8934	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA

SWITCHES

Ref. No.	Part No.	★	Description	Code
S4201	QSW-S0198CEZZ	J	Slide Switch	AF
SW2601	QSW-K0065GEZZ	J	Key Switch	AC

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
F1401	QFS-L8012CEZZ	J	Fuse 0.8A	AF
F1402	QFS-L8012CEZZ	J	Fuse 0.8A	AF
FB1101	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1102	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1104	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1105	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1106	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1107	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1201	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1202	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1204	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1205	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1206	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1207	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1301	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1302	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1304	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1305	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1306	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1307	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB2601	RBLN-0030TAZZ	J	Ferrite Bead	AB
FB2602	RBLN-0030TAZZ	J	Ferrite Bead	AB
FB5001	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5301	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB5302	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB5502	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB7201	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7202	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7203	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7204	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7205	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7206	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7207	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7208	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7209	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7210	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7211	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7212	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7213	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7214	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB7215	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7216	RBLN-0006TAZZ	J	Ferrite Bead	AB
P301	QPLGN0764TAZZ	J	Plug, 7-pin (SO)	AD
P801	QPLGZ2035CEZZ	J	Plug, 20-pin (SA)	AH
P802	QPLGZ2035CEZZ	J	Plug, 20-pin (SB)	AH
P3001	QPLGZ2026CEZZ	J	Plug, 20-pin (TO)	AE
P5101	QPLGN0464TAZZ	J	Plug, 4-pin (AZ)	AC
P5301	QPLGN0763TAZZ	J	Plug, 7-pin (TP)	AD
P5302	QPLGN0174FJZZ	J	Plug, 2-pin (F)	AC
P5552	QPLGN0364TAZZ	J	Plug, 3-pin (RA)	AC
P7201	QPLGN0174FJZZ	J	Plug, 2-pin (Q)	AC
P7202	QPLGN0264TAZZ	J	Plug, 2-pin (L)	AC
P7203	QPLGN0176FJZZ	J	Plug, 4-pin (FA)	AD
P7204	QPLGN0175FJZZ	J	Plug, 3-pin (FB)	AD
P7205	QPLGN0175FJZZ	J	Plug, 3-pin (FC)	AD
P7206	QPLGN0394FJZZ	J	Plug, 22-pin (EA)	AD
P7207	QPLGN0364TAZZ	J	Plug, 3-pin (FD)	AC
P7208	QPLGN0363TAZZ	J	Plug, 3-pin (D)	AC
P7209	QPLGN0175FJZZ	J	Plug, 3-pin (FE)	AD
SC1101	QSOCN3271TAZZ	J	Socket, 32-pin (RP)	AE
SC1201	QSOCN3271TAZZ	J	Socket, 32-pin (GP)	AE
SC1301	QSOCN3271TAZZ	J	Socket, 32-pin (BP)	AE
SC5001	QSOCN1897REZZ	J	Socket, 36-pin (KY)	AE
SC8404	QCNCW6028CEZZ	J	Socket, 60-pin	AL
SC8405	QCNCW6028CEZZ	J	Socket, 60-pin	AL
SC8502	QCNCW6028CEZZ	J	Socket, 60-pin	AL

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SIGNAL UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC801	VHiTDA8854H-2	J	TDA8854H/N2	BD
IC802	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC803	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC805	VHiTDA4565/-1	J	TDA4565/V6	AN
IC807	VHiNJM2060V-1	J	NJM2060V	AF
IC4301	VHiCXA1839Q-1	J	CXA1839	AZ
IC4302	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC4501	VHiPD64081B-1	J	UPD64081BGF3BA	BD
IC4502	VHiTK15420/-1	J	TK15420MTl	AG
IC4503	RH-iX3420CEZZ	J	MSM5416258B-28	AT
IC4505	VHiPST600iM-1	J	IC-PST600IMT	AE
IC4506	VHiT7SET08U-1	J	TC7SET08FU	AE
IC4507	VHiM40C568H-1	J	MB40C568HPFV-G	AQ
IC4508	VHiTC4S66F/-1	J	TC4S66F	AD
IC4509	VHiNJM2233V-1	J	NJM2233V	AE
IC6001	VHiTC90A11F-1	J	TC90A11F	AZ
IC6002	VHiM518221A-1	J	MSM518221A-30J	AW
IC6003	VHiPST600DM-1	J	IC-PST600DMT	AE
IC6004	VHiNJM2283V-1	J	NJM2283V	AG
IC6008	VHiBA7046F/-1	J	BA7046F	AF
IC6009	VHiNJM2283V-1	J	NJM2283V	AG
IC6010	VHiNJM2234M-1	J	NJM2234M	AF
IC6011	VHiNJM2240M-1	J	NJM2240M	AG

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q801	VS2SC3928AR-1	J	2SC3928AR	AB
Q802	VS2SA1530AR-1	J	2SA1530AR	AB
Q803	VS2SC3928AR-1	J	2SC3928AR	AB
Q804	VS2SA1530AR-1	J	2SA1530AR	AB
Q805	VSDTC144EK/-1	J	DTC144EK	AB
Q806	VS2SC3928AR-1	J	2SC3928AR	AB
Q807	VS2SC3928AR-1	J	2SC3928AR	AB
Q808	VS2SC3928AR-1	J	2SC3928AR	AB
Q811	VSDTC144EK/-1	J	DTC144EK	AB
Q812	VS2SC3928AR-1	J	2SC3928AR	AB
Q813	VS2SC3928AR-1	J	2SC3928AR	AB
Q814	VS2SC3928AR-1	J	2SC3928AR	AB
Q4303	VS2SC3928AR-1	J	2SC3928AR	AB
Q4306	VS2SC3928AR-1	J	2SC3928AR	AB
Q4309	VS2SC3928AR-1	J	2SC3928AR	AB
Q4313	VS2SC3928AR-1	J	2SC3928AR	AB
Q4314	VS2SC3928AR-1	J	2SC3928AR	AB
Q4315	VS2SC3928AR-1	J	2SC3928AR	AB
Q4317	VS2SC3928AR-1	J	2SC3928AR	AB
Q4318	VS2SC3928AR-1	J	2SC3928AR	AB
Q4320	VSDTC144EU/-1	J	DTC144EU	AB
Q4321	VSBSN20////-1	J	BSN20	AD
Q4322	VSBSN20////-1	J	BSN20	AD
Q4501	VS2SA1530AR-1	J	2SA1530AR	AB
Q4502	VS2SA1530AR-1	J	2SA1530AR	AB
Q4503	VS2SA1530AR-1	J	2SA1530AR	AB
Q4504	VS2SA1530AR-1	J	2SA1530AR	AB
Q4505	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4506	VS2SC3928AR-1	J	2SC3928AR	AB
Q4507	VS2SA1530AR-1	J	2SA1530AR	AB
Q4508	VS2SC3928AR-1	J	2SC3928AR	AB
Q4509	VS2SA1530AR-1	J	2SA1530AR	AB
Q4510	VS2SA1530AR-1	J	2SA1530AR	AB
Q4511	VS2SC3928AR-1	J	2SC3928AR	AB
Q4520	VS2SA1530AR-1	J	2SA1530AR	AB
Q6001	VS2SC3928AR-1	J	2SC3928AR	AB
Q6002	VS2SC3928AR-1	J	2SC3928AR	AB
Q6003	VS2SA1530AR-1	J	2SA1530AR	AB
Q6004	VS2SC3928AR-1	J	2SC3928AR	AB
Q6005	VS2SA1530AR-1	J	2SA1530AR	AB
Q6006	VS2SC3928AR-1	J	2SC3928AR	AB
Q6007	VS2SC3928AR-1	J	2SC3928AR	AB
Q6008	VS2SC3928AR-1	J	2SC3928AR	AB
Q6009	VS2SC3928AR-1	J	2SC3928AR	AB
Q6010	VS2SC3928AR-1	J	2SC3928AR	AB
Q6011	VS2SC3928AR-1	J	2SC3928AR	AB
Q6012	VS2SC3928AR-1	J	2SC3928AR	AB
Q6013	VS2SC3928AR-1	J	2SC3928AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D801	VHDDAN202K/-1	J	Diode	AB
D804	VHDMA152WA/-1	J	Diode	AA
D6001	RH-EX0226CEZZ	J	Zener Diode	AB
D6002	RH-EX0226CEZZ	J	Zener Diode	AB

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X801	RCRSB0009PEZZ	J	Crystal	AL
X802	RCRSB0008PEZZ	J	Crystal	AH
X4501	RCRSB0258CEZZ	J	Crystal	AG

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL4501	RCiLF0306CEZZ	J	Filter	AH
FL4502	RCiLV0108GEZZ	J	Filter	AG
FL4503	RFiLN0097GEZZ	J	Filter	AF
FL4504	RFiLN0097GEZZ	J	Filter	AF
L801	VP-1M470J5R4N	J	Peaking 47µH	AC
L4501	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L4502	VP-1M220J2R9N	J	Peaking 22µH	AC
L4510	VP-1M220J2R9N	J	Peaking 22µH	AC
L6001	VP-1M270J3R8N	J	Peaking 27µH	AC
L6002	VP-1M330J4R2N	J	Peaking 33µH	AC
L6003	VP-1M220J2R9N	J	Peaking 22µH	AC

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C801	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C802	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C803	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C804	VCFYEC1CM223J	J	0.022	16V	Mylar	AC
C805	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C806	VCFYEC1CM274J	J	0.27	16V	Mylar	AE
C807	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C808	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C809	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C810	VCFYEC1CM274J	J	0.27	16V	Mylar	AE
C811	VCKYCY1CF224Z	J	0.22	16V	Ceramic	AA
C812	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C813	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C814	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C815	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C816	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C817	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C818	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C819	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C820	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C821	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C823	VCCCCY1HH180J	J	18p	50V	Ceramic	AA
C824	VCCCCY1HH180J	J	18p	50V	Ceramic	AA
C825	VCFRED1HM332J	J	3300p	50V	Mylar	AD
C826	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C827	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C828	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C829	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C830	VCFRED1HM222J	J	2200p	50V	Mylar	AC
C831	VCEAPF1HW105M	J	1.0	50V	Electrolytic	AB
C832	VCFRED1HM472J	J	4700p	50V	Mylar	AD
C834	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C835	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C836	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C837	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C841	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C842	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C843	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C844	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C845	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C846	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C847	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C855	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C856	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C858	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C859	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC

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SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C860	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C861	VCCCCY1HH820J	J	82p	50V	Ceramic	AA
C862	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C863	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C864	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C865	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C866	VCCCCY1HH680J	J	68p	50V	Ceramic	AA
C867	VCCCCY1HH121J	J	120p	50V	Ceramic	AA
C868	VCCCCY1HH121J	J	120p	50V	Ceramic	AA
C870	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C875	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C877	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C878	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C879	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C880	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C883	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C890	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C891	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C922	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C937	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C938	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C939	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C940	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C976	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4301	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4302	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4303	VCEAPF1HW106M	J	10	50V	Electrolytic	AB
C4305	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4306	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4307	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4308	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4309	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4310	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4311	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4312	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4313	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4314	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4315	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4316	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4317	VCEAPF1HW474M	J	0.47	50V	Electrolytic	AB
C4318	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C4319	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4320	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4321	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4322	VCCCCY1HH561J	J	560p	50V	Ceramic	AB
C4323	VCCCCY1EH821J	J	820p	25V	Ceramic	AB
C4327	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C4328	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4501	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4502	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4503	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C4504	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4505	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4507	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C4508	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4509	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C4510	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4511	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4512	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4513	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4515	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4516	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4517	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4518	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4519	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4520	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4521	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4522	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4523	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4524	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4525	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C4526	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4527	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4528	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C4529	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4530	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4531	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4533	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4534	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4535	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C4536	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C4537	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4538	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4539	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4540	VCCCCY1HH391J	J	390p	50V	Ceramic	AA
C4541	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4542	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4543	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4545	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4546	VCEAPF1HW474M	J	0.47	50V	Electrolytic	AB
C4548	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4549	VCCCCY1HH471J	J	470p	50V	Ceramic	AA
C4550	VCEAPF1HW334M	J	0.33	50V	Electrolytic	AB
C4551	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4552	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C4553	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4554	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C4555	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4556	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C4557	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4558	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4559	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C4560	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4561	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4562	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C4563	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C4564	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4590	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C4591	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4592	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C4594	RC-EZ1138CEZZ	J	10	6.3V	Electrolytic	AF
C4595	RC-EZ1138CEZZ	J	10	6.3V	Electrolytic	AF
C4596	RC-EZ1138CEZZ	J	10	6.3V	Electrolytic	AF
C6001	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6002	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6004	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6005	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6006	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C6007	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6008	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C6009	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6010	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6011	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6012	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6013	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6014	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6015	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6016	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6017	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6018	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6019	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6020	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C6021	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6022	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6023	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6024	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6025	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6026	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C6028	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C6029	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C6030	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6031	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6032	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6033	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6034	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC

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Ref. No.	Part No.	★	Description	Code
C6035	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C6037	VCCCCY1HH360J	J	36p 50V Ceramic	AA
C6038	VCCCCY1HH120J	J	12p 50V Ceramic	AA
C6039	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C6040	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6041	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C6042	VCCCCY1HH5R0C	J	5.0p 50V Ceramic	AA
C6043	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C6044	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C6045	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6046	VCCCCY1HH390J	J	39p 50V Ceramic	AA
C6047	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6048	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6049	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6050	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6051	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6052	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6053	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C6064	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C6065	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6066	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C6067	VCCCCY1EH102J	J	1000p 25V Ceramic	AB
C6068	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6069	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6070	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6071	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6072	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6074	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C6075	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6076	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6077	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6078	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6079	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6080	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6081	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6082	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6083	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6084	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6085	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C6086	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C6087	VCCCCY1HH5R0C	J	5.0p 50V Ceramic	AA
C6088	VCEAPF1HW475M	J	4.7 50V Electrolytic	AB
C6089	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C6090	VCKYCY1HF102Z	J	1000p 50V Ceramic	AA
C6091	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6093	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6094	VCE9PF1CW226M	J	22 16V Elect.(N.P)	AD
C6096	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R801	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R802	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R803	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R804	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R806	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R807	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R808	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R809	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R810	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R811	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R812	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R813	VRS-TX2HF4R7J	J	4.7 1/2W Metal Oxide	AB
R815	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R816	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R817	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R818	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R819	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R820	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R821	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R822	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R823	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R824	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R825	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R826	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R827	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R829	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R830	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R831	VRS-TX2HF4R7J	J	4.7 1/2W Metal Oxide	AB
R832	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R833	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R834	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R835	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R836	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R837	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R838	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R839	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R840	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R841	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R842	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R843	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R844	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R845	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R846	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R847	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R848	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R849	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R850	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R851	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R852	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R853	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R854	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R855	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R856	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R857	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R858	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R859	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R860	VRN-CY1JF133D	J	13k 1/16W Metal Film	AB
R861	VRN-CY1JF752D	J	7.5k 1/16W Metal Film	AA
R862	VRN-CY1JF682D	J	6.8k 1/16W Metal Film	AB
R863	VRN-CY1JF103D	J	10k 1/16W Metal Film	AA
R864	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R865	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R872	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R874	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R876	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R879	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R880	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R881	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R882	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R883	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R886	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R891	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R894	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R895	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R896	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R899	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R900	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R901	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R902	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R903	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R905	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R906	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R907	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R908	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R909	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R910	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R911	VRS-CY1JF683J	J	68k 1/16W Metal Oxide	AA
R912	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R913	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R914	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R920	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R921	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R922	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R925	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R926	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R929	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA

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SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R930	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R935	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R936	VRS-CY1JF363J	J	36k 1/16W Metal Oxide	AA
R989	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R992	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R995	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4307	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4308	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4309	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4310	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4315	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4316	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4317	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4318	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4322	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4323	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4324	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4331	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4332	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4333	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4334	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4335	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4336	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4337	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4338	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4339	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4340	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4341	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4342	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4343	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4344	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R4345	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R4346	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4347	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4348	VRN-CY1JF392D	J	3.9k 1/16W Metal Film	AA
R4349	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4350	VRN-CY1JF562D	J	5.6k 1/16W Metal Film	AB
R4351	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4352	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R4353	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R4354	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4357	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4358	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4361	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R4364	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R4365	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R4368	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4369	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4391	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4392	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4393	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4501	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4502	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R4503	VRS-CY1JF431J	J	430 1/16W Metal Oxide	AA
R4504	VRS-CY1JF132J	J	1.3k 1/16W Metal Oxide	AA
R4505	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R4506	VRS-CY1JF431J	J	430 1/16W Metal Oxide	AA
R4507	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R4508	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R4509	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4510	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4511	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4512	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R4513	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4514	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4515	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R4516	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R4517	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4518	VRS-CY1JF911J	J	910 1/16W Metal Oxide	AA
R4519	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R4520	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA

Ref. No.	Part No.	★	Description	Code
R4521	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4522	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4523	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R4524	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4526	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4527	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4528	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4529	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4530	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4531	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4532	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4536	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4537	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4538	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R4539	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R4540	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4541	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R4542	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R4543	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R4544	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4545	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R4546	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R4547	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4548	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4549	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4550	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4551	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4552	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R4553	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4554	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4555	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R4556	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4557	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4558	VRS-CY1JF222F	J	2.2k 1/16W Metal Oxide	AA
R4559	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R4560	VRS-CY1JF222F	J	2.2k 1/16W Metal Oxide	AA
R4561	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4563	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4564	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4565	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4566	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4567	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4568	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4569	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4571	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4572	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4573	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4574	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4591	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4592	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4596	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R4597	VRS-CY1JF5R6J	J	5.6 1/16W Metal Oxide	AA
R6001	VRS-CY1JF154J	J	150k 1/16W Metal Oxide	AA
R6002	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6003	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R6004	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R6005	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R6006	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R6007	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R6008	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6009	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6010	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6011	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6012	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6013	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6014	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6015	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R6016	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R6017	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R6018	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R6019	VRS-CY1JF823J	J	82k 1/16W Metal Oxide	AA
R6020	VRS-TV1JD222J	J	2.2k 1/16W Metal Oxide	AA
R6021	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R6022	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6023	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA

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SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R6024	VRS-TV1JD122J	J	1.2k 1/16W Metal Oxide	AA
R6025	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6026	VRS-TV1JD471J	J	470 1/16W Metal Oxide	AA
R6027	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R6028	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R6029	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6030	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R6031	VRS-TV1JD122J	J	1.2k 1/16W Metal Oxide	AA
R6032	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R6033	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R6034	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6035	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R6036	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R6037	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R6038	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6039	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R6040	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R6041	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R6042	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6043	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R6044	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6045	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6046	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R6048	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6054	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R6055	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6056	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R6057	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R6058	VRS-CY1JF151J	J	150 1/16W Metal Oxide	AA
R6059	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R6060	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R6061	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R6062	VRS-TV1JD102J	J	1.0k 1/16W Metal Oxide	AA
R6063	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6064	VRS-CY1JF474J	J	470k 1/16W Metal Oxide	AA
R6065	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6066	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R6067	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6068	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6069	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6070	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6071	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6072	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6073	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6074	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R6075	VRS-CY1JF361J	J	360 1/16W Metal Oxide	AA
R6076	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R6077	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R6078	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R6081	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6082	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6085	VRS-TW2ED6R8J	J	6.8 1/4W Metal Oxide	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB4501	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4502	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4503	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4506	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4507	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4508	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4509	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB6002	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6003	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6004	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6006	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6007	RBLN-0065CEZZ	J	Ferrite Bead	AB
P401	QPLGZ3044CEZZ	J	Plug, 30-pin (ST)	AH
P803	QPLGN0463TAZZ	J	Plug, 4-pin	AC
SC801	QSOCZ2025CEZZ	J	Socket, 20-pin (SA)	AE
SC802	QSOCZ2025CEZZ	J	Socket, 20-pin (SB)	AE

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SOUND OUT UNIT

INTEGRATED CIRCUIT

Ref. No.	Part No.	★	Description	Code
IC302	VHiTDA1517/-2	J	TDA1517/N2	AL

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C317	VCEAPF1HW475M	J	4.7 50V Electrolytic	AB
C318	VCEAPF1HW475M	J	4.7 50V Electrolytic	AB
C319	VCE9PF1CW475M	J	4.7 16V Elect.(N.P)	AC
C320	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C321	VCEA2A1CW108M	J	1000 16V Electrolytic	AB
C322	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C323	VCEA2A1CW108M	J	1000 16V Electrolytic	AB
C324	VCEAPF1EW475M	J	4.7 25V Electrolytic	AB
C325	VCEA2A1EW477M	J	470 25V Electrolytic	AD
C326	VCE9PF1CW475M	J	4.7 16V Elect.(N.P)	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R311	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R312	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R317	QFS-J2521CEZZ	J	Fuse Resistor	AF

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB301	RBLN-0060CEZZ	J	Ferrite Bead	AC
P302	QPLGN0764TAZZ	J	Plug, 7-pin (SO)	AD
P303	QPLGN0176FJZZ	J	Plug, 4-pin (SP)	AD

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R/C RECEIVER UNIT

CAPACITOR

Ref. No.	Part No.	★	Description	Code
C5568	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R5564	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R5565	VRS-CY1JF220J	J	22 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P5555	QPLGN0364TAZZ	J	Plug, 3-pin (RC)	AC
RMC5552	RRMCU0239CEZZ	J	R/C Receiver	AG
	PSLDC3099CEFW	J	Shield	AD

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TERMINAL UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC401	VHiNJM2245M-1	J	NJM2245M	AF
IC441	VHiNJM2245M-1	J	NJM2245M	AF
IC442	VHiNJM2245M-1	J	NJM2245M	AF
IC3001	VHi24LC21//-1	J	24LC21T	AN
IC3002	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3003	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3004	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3101	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3102	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3202	RH-iX3337CEZZ	J	OPA3681E	AX
IC3203	RH-iX3337CEZZ	J	OPA3681E	AX
IC3301	RH-iX2317CEZZ	J	SN74AlS1034NS	AF
IC3401	VHiUPD4721G-1	J	UPD4721G-GJG	AQ
IC3501	VHi24LC21//-1	J	24LC21T	AN
IC3502	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3503	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3504	VHiTL712CPW-1	J	Tl712CPWR	AL
IC4001	VHiMC141627-1	J	MC141627FT	AY
IC5551	VHiTC7S08F/-1	J	TC7S08F	AC

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q461	VS2SA1530AR-1	J	2SA1530AR	AB
Q462	VS2SA1530AR-1	J	2SA1530AR	AB
Q463	VSDTC144EK/-1	J	DTC144EK	AB
Q464	VS2SC3928AR-1	J	2SC3928AR	AB
Q465	VS2SC3928AR-1	J	2SC3928AR	AB
Q3001	VSDTC144EU/-1	J	DTC144EU	AB
Q3002	VSDTC144EU/-1	J	DTC144EU	AB
Q3003	VSDTC114EU/-1	J	DTC114EU	AB
Q3004	VSDTC144EU/-1	J	DTC144EU	AB
Q3005	VSDTC114EU/-1	J	DTC114EU	AB
Q3006	VSDTC144EU/-1	J	DTC144EU	AB
Q3007	VSDTC144EU/-1	J	DTC144EU	AB
Q3101	VSDTC144EU/-1	J	DTC144EU	AB
Q3102	VSDTC114EU/-1	J	DTC114EU	AB
Q3103	VSDTC144EU/-1	J	DTC144EU	AB
Q3201	VS2SC3928AR-1	J	2SC3928AR	AB
Q3202	VS2SC3928AR-1	J	2SC3928AR	AB
Q3203	VS2SC3928AR-1	J	2SC3928AR	AB
Q3501	VSDTC144EU/-1	J	DTC144EU	AB
Q3502	VSDTC114EU/-1	J	DTC114EU	AB
Q3503	VSDTC144EU/-1	J	DTC144EU	AB
Q3504	VSDTC114EU/-1	J	DTC114EU	AB
Q3505	VSDTC144EU/-1	J	DTC144EU	AB
Q3506	VSDTC144EU/-1	J	DTC144EU	AB
Q4002	VS2SC3928AR-1	J	2SC3928AR	AB
Q4004	VS2SC3928AR-1	J	2SC3928AR	AB
Q4005	VS2SC3928AR-1	J	2SC3928AR	AB
Q4007	VS2SC3928AR-1	J	2SC3928AR	AB
Q4009	VS2SA1530AR-1	J	2SA1530AR	AB
Q4010	VS2SC3928AR-1	J	2SC3928AR	AB
Q4011	VSiMX2/////-1	J	IMX2	AB
Q4012	VS2SA1530AR-1	J	2SA1530AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D401	RH-EX0226CEZZ	J	Zener Diode	AB
D402	RH-EX0226CEZZ	J	Zener Diode	AB
D403	RH-EX0226CEZZ	J	Zener Diode	AB
D404	RH-EX0226CEZZ	J	Zener Diode	AB
D409	RH-EX0226CEZZ	J	Zener Diode	AB
D441	RH-EX0226CEZZ	J	Zener Diode	AB
D442	RH-EX0226CEZZ	J	Zener Diode	AB
D443	RH-EX0226CEZZ	J	Zener Diode	AB
D444	RH-EX0226CEZZ	J	Zener Diode	AB
D461	RH-EX0226CEZZ	J	Zener Diode	AB
D462	RH-EX0226CEZZ	J	Zener Diode	AB
D3001	VHDMA157A//-1	J	Diode	AC
D3002	VHDMA157A//-1	J	Diode	AC
D3003	VHDMA157A//-1	J	Diode	AC
D3004	VHDMA157A//-1	J	Diode	AC
D3005	VHDMA157A//-1	J	Diode	AC
D3006	VHDMA157A//-1	J	Diode	AC
D3007	VHDMA157A//-1	J	Diode	AC
D3201	VHDMA157A//-1	J	Diode	AC
D3202	VHDMA157A//-1	J	Diode	AC
D3203	VHDMA157A//-1	J	Diode	AC
D3204	VHDMA157A//-1	J	Diode	AC
D3205	VHDMA157A//-1	J	Diode	AC
D3206	VHDMA157A//-1	J	Diode	AC
D3301	VHDMA157A//-1	J	Diode	AC
D3302	VHDMA157A//-1	J	Diode	AC
D3303	VHDMA157A//-1	J	Diode	AC
D3304	VHDMA157A//-1	J	Diode	AC
D3305	VHDMA157A//-1	J	Diode	AC
D3306	VHDMA157A//-1	J	Diode	AC
D3401	VHDMA3120WA-1	J	Diode	AK
D3402	VHDMA3120WA-1	J	Diode	AK
D3403	VHDMA3120WA-1	J	Diode	AK
D3404	VHDMA3120WA-1	J	Diode	AK
D3405	RH-EX0226CEZZ	J	Zener Diode	AB
D3406	RH-EX0226CEZZ	J	Zener Diode	AB
D3407	RH-EX0226CEZZ	J	Zener Diode	AB
D3408	RH-EX0226CEZZ	J	Zener Diode	AB
D3501	VHDMA157A//-1	J	Diode	AC
D3502	VHDMA157A//-1	J	Diode	AC
D3503	VHDMA157A//-1	J	Diode	AC
D3504	VHDMA157A//-1	J	Diode	AC
D3505	VHDMA157A//-1	J	Diode	AC
D4001	VHDMA153///-1	J	Diode	AB
D4002	VHD1SS355//-1	J	Diode	AB
D5551	VHDMA3120WA-1	J	Diode	AK
D5552	VHDMA3120WA-1	J	Diode	AK

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL401	RFiLN0017TAZZ	J	Filter	AC
FL403	RFiLN0017TAZZ	J	Filter	AC
FL404	RFiLN0017TAZZ	J	Filter	AC
FL405	RFiLN0514CEZZ	J	Filter	AE
FL3001	RFiLN0003TAZZ	J	Filter	AD
FL3002	RFiLN0003TAZZ	J	Filter	AD
FL3003	RFiLN0003TAZZ	J	Filter	AD
FL3004	RFiLN0003TAZZ	J	Filter	AD
FL3005	RFiLN0003TAZZ	J	Filter	AD
FL3006	RFiLN0003TAZZ	J	Filter	AD
FL3301	RFiLN0003TAZZ	J	Filter	AD
FL3302	RFiLN0003TAZZ	J	Filter	AD
FL3303	RFiLN0003TAZZ	J	Filter	AD
FL3501	RFiLN0003TAZZ	J	Filter	AD
FL3502	RFiLN0003TAZZ	J	Filter	AD
FL3503	RFiLN0003TAZZ	J	Filter	AD
FL4001	RCiLF0316CEZZ	J	Filter	AG
FL4002	RCiLF0316CEZZ	J	Filter	AG
L3201	VP-1M100J1R6N	J	Peaking 10µH	AC
L4004	VP-1M330J4R2N	J	Peaking 33µH	AC
L4005	VP-1M330J4R2N	J	Peaking 33µH	AC
L4006	VP-1M270J3R8N	J	Peaking 27µH	AC
L4010	VP-1M680J6R9N	J	Peaking 68µH	AC
L4011	VP-1M680J6R9N	J	Peaking 68µH	AC

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C401	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C404	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C405	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C407	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C408	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C409	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C410	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C420	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C421	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C441	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C443	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C445	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C446	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C447	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C449	VCCCCY1HH101J	J	100p	50V	Ceramic	AA

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TERMINAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
C451	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C452	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C453	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C454	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C461	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C463	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C465	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C466	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C469	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C470	VCE9PF1CW106M	J	10 16V Elect.(N.P)	AC
C471	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C472	VCE9PF1CW106M	J	10 16V Elect.(N.P)	AC
C3001	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C3002	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3003	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3004	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C3005	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3006	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3007	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3008	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3009	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3010	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3011	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3012	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C3101	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3102	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3103	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3104	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3105	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3106	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3201	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C3202	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C3203	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C3204	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C3205	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C3206	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C3207	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C3208	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C3209	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C3210	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C3211	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C3212	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C3220	VCEAPF1AW226M	J	22 10V Electrolytic	AB
C3221	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3222	VCEAPF1AW226M	J	22 10V Electrolytic	AB
C3223	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3225	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3227	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3301	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3401	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C3402	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C3403	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C3404	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3405	VCEAPF1HW225M	J	2.2 50V Electrolytic	AB
C3406	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C3407	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3501	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C3502	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3503	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3504	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C3505	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3506	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3507	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3508	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3509	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C3510	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3511	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C3512	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C4022	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C4023	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C4029	VCEAPF0JW226M	J	22 6.3V Electrolytic	AB
C4030	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4031	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4032	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4033	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4034	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C4035	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4036	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4037	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C4038	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4039	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C4040	VCEAPF1HW105M	J	1.0 50V Electrolytic	AB
C4041	VCEAPF0JW226M	J	22 6.3V Electrolytic	AB
C4042	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4043	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C4044	VCE9PF1HW105M	J	1.0 50V Elect.(N.P)	AC
C4045	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C4046	VCEAPF1HW105M	J	1.0 50V Electrolytic	AB
C4047	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C4048	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4049	VCCCCY1HH270J	J	27p 50V Ceramic	AA
C4050	VCCCCY1HH270J	J	27p 50V Ceramic	AA
C4051	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4052	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C4053	VCCCCY1HH121J	J	120p 50V Ceramic	AA
C5551	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C5552	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C5555	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5556	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C5557	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5558	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R403	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R404	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R405	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R406	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R407	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R408	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R409	VRS-TQ2BD750J	J	75 1/8W Metal Oxide	AA
R410	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R411	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R412	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R414	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R415	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R416	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R417	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R419	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R421	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R422	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R431	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R441	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R442	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R443	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R444	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R445	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R446	VRS-CY1JF123J	J	12k 1/16W Metal Oxide	AA
R447	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R448	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R449	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R450	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R451	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R452	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R461	VRS-CY1JF105J	J	1.0M 1/16W Metal Oxide	AA
R462	VRS-CY1JF105J	J	1.0M 1/16W Metal Oxide	AA
R463	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R464	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R465	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R466	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R467	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R468	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R469	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R470	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R471	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R472	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R473	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA

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TERMINAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R474	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R475	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R476	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R477	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R478	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R479	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R481	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R482	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R483	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3001	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3002	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3003	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3004	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3005	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3006	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3007	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3008	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3009	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3010	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3011	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3013	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3014	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3015	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3016	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3017	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3018	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3019	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3020	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3021	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3023	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3024	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R3025	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3026	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3027	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3028	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3029	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3030	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3032	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3034	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3035	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3036	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3040	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3041	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3042	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3043	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3044	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3046	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3048	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3050	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3052	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3101	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3104	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3106	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3107	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3108	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3109	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3110	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3112	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3113	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3114	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3115	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3116	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3120	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3121	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3201	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3202	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3203	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3204	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3205	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3206	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3207	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3208	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3209	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3210	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3211	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3212	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3213	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3214	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3215	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3216	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3217	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3218	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3219	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3221	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3222	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3224	VRS-CY1JF820J	J	82 1/16W Metal Oxide	AA
R3225	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3227	VRS-CY1JF162J	J	1.6k 1/16W Metal Oxide	AA
R3228	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3251	VRS-CY1JF162J	J	1.6k 1/16W Metal Oxide	AA
R3252	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3253	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R3256	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3258	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3260	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3261	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3262	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3263	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3264	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3265	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3270	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3271	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3272	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3273	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3274	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3275	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3276	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3277	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3278	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3279	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3280	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3281	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3285	VRS-TV1JD102J	J	1.0k 1/16W Metal Oxide	AA
R3286	VRS-TV1JD102J	J	1.0k 1/16W Metal Oxide	AA
R3287	VRS-TV1JD102J	J	1.0k 1/16W Metal Oxide	AA
R3401	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3402	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3403	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3404	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3405	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3406	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3407	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3408	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3409	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3501	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3502	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3503	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3504	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3505	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3506	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3507	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3508	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3509	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3510	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3511	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3513	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3514	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3515	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3516	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3517	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3518	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3519	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3520	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3521	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3523	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3524	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA

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TERMINAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R3526	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3527	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3528	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3529	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3530	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3532	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3540	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3541	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3542	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3543	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3545	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3547	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R4013	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4014	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4015	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4016	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4017	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4020	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R4021	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R4023	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4024	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4025	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4028	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R4035	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4036	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4037	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4040	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4041	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4042	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4043	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4044	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4045	VRS-CY1JF754J	J	750k 1/16W Metal Oxide	AA
R4046	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4047	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4048	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4049	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4050	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4051	VRS-CY1JF185J	J	1.8M 1/16W Metal Oxide	AA
R4052	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R4053	VRS-CY1JF4R7J	J	4.7 1/16W Metal Oxide	AA
R4054	VRS-CY1JF121J	J	120 1/16W Metal Oxide	AA
R4055	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4056	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R4057	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4058	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4059	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4060	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R5551	VRS-TX2HF220J	J	22 1/2W Metal Oxide	AB
R5552	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5553	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA

SWITCH

Ref. No.	Part No.	★	Description	Code
S3001	QSW-S0230CEZZ	J	Slide Switch	AG

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB401	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB403	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB404	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB442	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB443	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB445	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB446	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB462	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB463	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB3004	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3005	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3050	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3104	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3105	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3304	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3305	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3306	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3401	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3402	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3403	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3404	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3405	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3406	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3407	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3408	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB3504	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3505	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3550	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB4001	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB4002	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB4003	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB4004	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB4005	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5551	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB5552	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB5553	RBLN-0060TAZZ	J	Ferrite Bead	AB
J401	QJAKG0049CEZZ	J	Jack AV IN	AH
J402	QSOCD0403GEZZ	J	Socket S-Video IN	AE
J441	QJAKJ0008GEZZ	J	Jack Audio IN-1	AD
J442	QJAKJ0008GEZZ	J	Jack Audio IN-2	AD
J461	QJAKJ0008GEZZ	J	Jack Audio Out	AD
J3101	QTANZ0632CEZZ	J	5-BNC Terminal RGB IN	AR
J5551	QJAKJ0007TAZZ	J	Jack Wired R/C	AC
SC401	QSOCZ3043CEZZ	J	Socket, 30-pin (ST)	AG
SC3001	QSOCZ2058CEZZ	J	Socket, 20-pin (TO)	AG
SC3002	QSOCN0448FJZZ	J	Socket, 15-pin RGB IN-1	AM
SC3003	QSOCN0448FJZZ	J	Socket, 15-pin RGB IN-2	AM
SC3301	QSOCN0344FJZZ	J	Socket, 15-pin RGB Out	AM
SC3401	QSOCD0901CEZZ	J	Socket, 9-pin	AH
RMC5551	RRMCU0233CEZZ	J	R/C Receiver	AF
	PSLDM4579CEFW	J	Shield	AK
	QEARP0093CEFN	J	Earth Plate	AE

RUNTK0674CEZZ
INLET UNIT

PACKAGED CIRCUIT

Ref. No.	Part No.	★	Description	Code
⚠ TNR791	9FJ0F20001310	J	ENE471D10A	AD

COIL

Ref. No.	Part No.	★	Description	Code
⚠ L791	9FJ0L05001370	J	Inductor, 0.8mH(3.5A)	AN

CAPACITOR

Ref. No.	Part No.	★	Description	Code
⚠ C791	9FJ0C34010663	J	0.47 250V M.Polyester	AK

RESISTOR

Ref. No.	Part No.	★	Description	Code
⚠ R791	9FJ0R11002110	J	470k 1W Special	AC

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F791	9FJ0E02110030	J	Fuse 6.3A 250V	AF
CN791	9FJ0G10003930	J	3-pin (PA), S2P3VH	AD
	9FJ0E09010010	J	Fuse Holder	AC
⚠	9FJ0G10004260	J	AC Inlet NC-174-10N-DL6-BL	AK

RDENC0304CEZZ
POWER UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ IC701	9FJ0F01901340	J	AN8027	AQ
IC702	9FJ0F01102285	J	UPC1093TE	AG
IC703	9FJ0F01102355	J	TA79L08F	AH
IC704	9FJ0F01102510	J	PQ1CG2032	AS
IC705	9FJ0F01102365	J	UPC1944T	AH
IC706	9FJ0F01001115	J	TA75358F	AH

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q701	9FJ0Q11001750	J	FS7KM18A	AS
Q702	9FJ0Q02001725	J	2SC4409	AE
Q703	9FJ0Q00001310	J	2SA1931	AH
Q704	9FJ0Q02001195	J	2SC2712YT	AC
Q705	9FJ0Q09001041	J	RN1401T	AC
Q706	9FJ0Q09001041	J	RN1401T	AC

DIODES

Ref. No.	Part No.	★	Description	Code
D701	9FJ0D01000360	J	Diode RG1C	AD
D702	9FJ0D01010085	J	Diode 1DL42A	AE
D703	9FJ0D01010195	J	Diode AU01V0	AD
D704	9FJ0D01010195	J	Diode AU01V0	AD
D705	9FJ0D00001005	J	Diode 1SS119T	AB
D706	9FJ0D01010195	J	Diode AU01V0	AD
D707	9FJ0D20001015	J	Diode 1SS184TE85	AC
D708	9FJ0D20001015	J	Diode 1SS184TE85	AC
D709	9FJ0D23010022	J	Diode FMX12S	AH
D710	9FJ0D24001200	J	Diode FMBG16L	AH
D711	9FJ0D23010022	J	Diode FMX12S	AH
D712	9FJ0D01010195	J	Diode AU01V0	AD
D713	9FJ0D20001015	J	Diode 1SS184TE85	AC
D714	9FJ0D04001030	J	Diode FMBG14L	AH
ZD701	9FJ0D31181695	J	Zener Diode RD24JSAB2TA	AC
ZD702	9FJ0D31181675	J	Zener Diode RD18JSAB2TA	AC
ZD705	9FJ0D31181655	J	Zener Diode RD15JSAB2TA	AD

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ PC701	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠ PC702	9FJ0F10010931	J	Photo Coupler TLP721	AG

COILS AND TRANSFORMER

Ref. No.	Part No.	★	Description	Code
L701	9FJ0L08001445	J	Inductor LHL08TB5R6M	AF
L702	9FJ0L08001445	J	Inductor LHL08TB5R6M	AF
L703	9FJ0L08001445	J	Inductor LHL08TB5R6M	AF
L704	9FJ0L08001660	J	Inductor 150µ	AG
B701	9FJ0L08001025	J	Inductor B-01-AT	AC
⚠ T701	9FJ0L00002080	J	Transformer	AT

CONTROLS

Ref. No.	Part No.	★	Description	Code
VR701	9FJ0R60001255	J	1k 1/10W	AE
VR704	9FJ0R61001535	J	500 1/10W	AF
VR705	9FJ0R61001535	J	500 1/10W	AF

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C701	9FJ0C50002910	J	4700p 500V Ceramic	AE
⚠ C702	9FJ0C50010715	J	220p 1kV Ceramic	AD
C703	9FJ0C50002015	J	0.01 50V Ceramic	AB
C704	9FJ0C01510165	J	47 50V Electrolytic	AC
C705	9FJ0C01510145	J	22 50V Electrolytic	AC
C706	9FJ0C11001335	J	2200p 50V M.Polyester	AB
C707	9FJ0C01510115	J	2.2 50V Electrolytic	AC
C708	9FJ0C50003615	J	1500p 50V Ceramic	AB
C709	9FJ0C50010705	J	470p 1kV Ceramic	AD
C710	9FJ0C50002985	J	1000p 500V Ceramic	AD
C711	9FJ0C01402183	J	820 35V Electrolytic	AH
C712	9FJ0C01510165	J	47 50V Electrolytic	AC
C713	9FJ0C50002985	J	1000p 500V Ceramic	AD
C714	9FJ0C01101993	J	1800 10V Electrolytic	AF
C715	9FJ0C01101993	J	1800 10V Electrolytic	AF
C716	9FJ0C50002015	J	0.01 50V Ceramic	AB
C717	9FJ0C01510165	J	47 50V Electrolytic	AC
C719	9FJ0C01402193	J	470 35V Electrolytic	AF
C720	9FJ0C01402193	J	470 35V Electrolytic	AF
C721	9FJ0C01510165	J	47 50V Electrolytic	AC
C722	9FJ0C01302085	J	470 25V Electrolytic	AE
C723	9FJ0C01510165	J	47 50V Electrolytic	AC
C724	9FJ0C50002635	J	0.047 50V Ceramic	AC
C725	9FJ0C01101775	J	1000 10V Electrolytic	AE
C726	9FJ0C50002015	J	0.01 50V Ceramic	AB
C727	9FJ0C01101775	J	1000 10V Electrolytic	AE
C728	9FJ0C50002635	J	0.047 50V Ceramic	AC
⚠ C729	9FJ0C51001183	J	2200p 250V Ceramic	AD
C730	9FJ0C50002635	J	0.047 50V Ceramic	AC
C731	9FJ0C50003605	J	1000p 50V Ceramic	AB
C732	9FJ0C01102005	J	220 10V Electrolytic	AD

RESISTORS

Ref. No.	Part No.	★	Description	Code
R701	9FJ0R94201525	J	220k 1/2W Chip	AC
R702	9FJ0R94201525	J	220k 1/2W Chip	AC
R703	9FJ0R15080575	J	22 1/2W Metal Oxide	AB
R704	9FJ0R15080735	J	100 1/2W Metal Oxide	AB
R705	9FJ0R17071451	J	100k 2W Metal Oxide	AC
R706	9FJ0R21001040	J	0.15 3W Cement	AF
R707	9FJ0R91201235	J	820 1/10W Chip	AB
R708	9FJ0R91201365	J	10k 1/10W Chip	AB
R709	9FJ0R94201425	J	33k 1/2W Chip	AC
R710	9FJ0R91201245	J	1.0k 1/10W Chip	AB
R711	9FJ0R91201225	J	680 1/10W Chip	AB
R712	9FJ0R91201285	J	2.2k 1/10W Chip	AB
R713	9FJ0R91201335	J	5.6k 1/10W Chip	AB
R714	9FJ0R91201305	J	3.3k 1/10W Chip	AB
R715	9FJ0R91201325	J	4.7k 1/10W Chip	AB
R716	9FJ0R91201365	J	10k 1/10W Chip	AB
R717	9FJ0R91201135	J	120 1/10W Chip	AB
R718	9FJ0R94201105	J	68 1/2W Chip	AC
R719	9FJ0R91201245	J	1.0k 1/10W Chip	AB
R720	9FJ0R91201005	J	10 1/10W Chip	AB
R721	9FJ0R91201245	J	1.0k 1/10W Chip	AB
R722	9FJ0R91201445	J	47k 1/10W Chip	AB
R723	9FJ0R91201205	J	470 1/10W Chip	AB
R724	9FJ0R91201285	J	2.2k 1/10W Chip	AB
R725	9FJ0R91201365	J	10k 1/10W Chip	AB
⚠ R727	9FJ0R16080095	J	0.22 1W Metal Oxide	AB
R728	9FJ0R91201435	J	39k 1/10W Chip	AB
R729	9FJ0R91201305	J	3.3k 1/10W Chip	AB
R730	9FJ0R91201195	J	390 1/10W Chip	AB
R731	9FJ0R91201165	J	220 1/10W Chip	AB
R732	9FJ0R91201205	J	470 1/10W Chip	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ TF701	9FJ0E03001080	J	Fuse 2A 250V, P100A	AE
	9FJ0G10011560	J	Connector, B3P4VH (PF)	AE
	9FJ0i10007100	J	Harness, X40SWE (EA)	AT
	9FJ0O00002360	J	Heat Sink	AH
	9FJ0O00002370	J	Heat Sink	AH
	9FJ0O00002380	J	Heat Sink	AL

RDENC0305CEZZ
PFC UNIT

INTEGRATED CIRCUIT

Ref. No.	Part No.	★	Description	Code
IC751	9FJ0F01901385	J	FA5332M	AU

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q751	9FJ0Q11001592	J	2SK2837	AU
Q752	9FJ0Q02001195	J	2SC2712YT	AC

DIODES

Ref. No.	Part No.	★	Description	Code
⚠ D751	9FJ0D13000160	J	Bridge Diode D5SB60	AK
D752	9FJ0D01001775	J	Diode U05NU44	AE
D753	9FJ0D01001775	J	Diode U05NU44	AE
D754	9FJ0D01001785	J	Diode UU1FW44L	AE
D755	9FJ0D01001775	J	Diode U05NU44	AE
D756	9FJ0D04001000	J	Diode D5L60	AG
TR751	9FJ0D41010110	J	TM1061SL	AK
ZD751	9FJ0D31103185	J	Zener Diode HZK27	AC

COILS

Ref. No.	Part No.	★	Description	Code
⚠ L751	9FJ0L05001420	J	TC25H1434R0	AM
⚠ L752	9FJ0L08001870	J	AFP10-46-100	AH
L753	9FJ0L08001860	J	800186	AS

CAPACITORS

Ref. No.	Part No.	★	Description	Code
⚠ C751	9FJ0C51001223	J	1000p 250V Ceramic	AD
⚠ C752	9FJ0C51001223	J	1000p 250V Ceramic	AD
⚠ C753	9FJ0C51001223	J	1000p 250V Ceramic	AD
C754	9FJ0C50004395	J	0.1 50V Ceramic	AD
⚠ C755	9FJ0C34010623	J	0.1 250V M.Polyester	AE
C756	9FJ0C50004365	J	0.15 25V Ceramic (Chip)	AC
C757	9FJ0C32401010	J	0.47 400V M.Polyester	AK
C758	9FJ0C32410040	J	2.2 400V M.Polyester	AN
C759	9FJ0C01402205	J	100 35V Electrolytic	AD
C760	9FJ0C50004365	J	0.15 25V Ceramic (Chip)	AC
C761	9FJ0C50011465	J	470p 50V Ceramic (Chip)	AC
C762	9FJ0C50002015	J	0.01 25V Ceramic (Chip)	AB
C763	9FJ0C50011465	J	470p 50V Ceramic (Chip)	AC
C764	9FJ0C50004375	J	68p 50V Ceramic (Chip)	AC
C765	9FJ0C50004365	J	0.15 25V Ceramic (Chip)	AC
C767	9FJ0C50002015	J	0.01 25V Ceramic (Chip)	AB
C768	9FJ0C02801633	J	150 420V Electrolytic	AS
C769	9FJ0C50003455	J	470p 50V Ceramic	AK
C770	9FJ0C50002015	J	0.01 25V Ceramic (Chip)	AB
C771	9FJ0C50004365	J	0.15 25V Ceramic (Chip)	AC
C772	9FJ0C32401010	J	0.47 400V M.Polyester	AK
C773	9FJ0C50004395	J	0.1 50V Ceramic	AD

RESISTORS

Ref. No.	Part No.	★	Description	Code
R751	9FJ0R11002110	J	470k 1W Special	AC
R752	9FJ0R94201045	J	10 1.6W Fuse Resistor	AC
⚠ R753	9FJ0R32001005	J	15M 1W Matal Glaze	AE
R754	9FJ0R91501055	J	330k 1/10W Chip	AB
R755	9FJ0R91501055	J	330k 1/10W Chip	AB
R756	9FJ0R91501055	J	330k 1/10W Chip	AB
R757	9FJ0R91501055	J	330k 1/10W Chip	AB
R758	9FJ0R91501015	J	7.5k 1/10W Chip	AB
R759	9FJ0R95201115	J	27k 1W Chip	AD
R760	9FJ0R95201115	J	27k 1W Chip	AD
R761	9FJ0R95201115	J	27k 1W Chip	AD
R762	9FJ0R95201115	J	27k 1W Chip	AD
R763	9FJ0R94201165	J	22 1/2W Chip	AC
R764	9FJ0R91201055	J	27 1/10W Chip	AB
R766	9FJ0R91201365	J	10k 1/10W Chip	AB
R767	9FJ0R91201405	J	22k 1/10W Chip	AB
R768	9FJ0R91201485	J	100k 1/10W Chip	AB
R769	9FJ0R94201005	J	10 1/2W Chip	AC
R770	9FJ0R94201005	J	10 1/2W Chip	AC
R771	9FJ0R91201455	J	56k 1/10W Chip	AB
R772	9FJ0R22001090	J	0.1 5W Cement	AF
R773	9FJ0R91201425	J	33k 1/10W Chip	AB
R774	9FJ0R91201565	J	470k 1/10W Chip	AB
R775	9FJ0R91201485	J	100k 1/10W Chip	AB
R776	9FJ0R91501055	J	330k 1/10W Chip	AB
R777	9FJ0R91501055	J	330k 1/10W Chip	AB
R778	9FJ0R91501055	J	330k 1/10W Chip	AB
R779	9FJ0R91501055	J	330k 1/10W Chip	AB
R780	9FJ0R91501005	J	5.6k 1/10W Chip	AB
R781	9FJ0R91501045	J	56k 1/10W Chip	AB
R782	9FJ0R91501055	J	330k 1/10W Chip	AB
R783	9FJ0R91501055	J	330k 1/10W Chip	AB
R784	9FJ0R91501055	J	330k 1/10W Chip	AB
R785	9FJ0R91501055	J	330k 1/10W Chip	AB
R786	9FJ0R91501005	J	5.6k 1/10W Chip	AB
R787	9FJ0R91501035	J	47k 1/10W Chip	AB
R788	9FJ0R94201165	J	220 1/2W Chip	AC
R789	9FJ0R17070491	J	10 2W Metal Oxide	AC
R790	9FJ0R91201245	J	1k 1/10W Chip	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
TF751	9FJ0E03001080	J	Fuse, PA100A	AE
	9FJ0G10001750	J	Connector, (PA)B2P3-VH	AE
	9FJ0i10007130	J	Harness	AQ
	9FJ0i10007140	J	Harness	AM
	9FJ0M41001190	J	DC Fan	AX

CPCi-0047CE12

PC I/F UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC8001	RH-iX3270CEZZ	J	HD6417709	BH
IC8003	9DK001-11020	J	AT24C128N-10SC-1.8	AS
IC8006	9DK001-12055	J	TC7WH241FU	AN
IC8007	9DK001-15061	J	PST600IM	AL
IC8019	9DK001-15060	J	PST623XW	AP
IC8020	RH-iX3460CEZZQ	J	GMZ2A	BP
IC8022	9DK001-12086	J	74VHCT244AMT	AL
IC8024	9DK001-15053	J	TL431CPS	AL
IC8025	RH-iX3249CEN1	J	MB87J1101	BT
IC8027	RH-iX3439CEZZQ	J	LH28F320S3NS-L12	BK
IC8028	9DK001-11017	J	MSM51V18165D-60TS-K	BB
IC8029	RH-iX3250CEZZ	J	MB87J1110	BW
IC8035	9DK001-11021	J	NT56V1616A0T-7	BB
IC8038	9DK001-11021	J	NT56V1616A0T-7	BB
IC8039	9DK001-11021	J	NT56V1616A0T-7	BB
IC8046	9DK001-11021	J	NT56V1616A0T-7	BB
IC8048	RH-iX3293CEZZ	J	MBCG61394-106	BC
IC8051	9DK001-15065	J	CXD2309Q	BC
IC8052	9DK001-12055	J	TC7WH241FU	AN
IC8053	9DK001-12057	J	TC74LVX86FT	AM
IC8056	9DK001-12058	J	HD74LVC00T	AK
IC8600	9DK001-12068	J	SN74F153DB	AM
IC8601	9DK001-20026	J	UPA103G	BA
IC8603	9DK001-15038	J	PQ05TZ11	AR
IC8604	9DK001-15071	J	PQ20VZ11	AL
IC8606	9DK001-15076	J	CXA3516R	BR
IC8607	9DK001-12070	J	HD74HCT125T	AL
IC8608	9DK001-12055	J	TC7WH241FU	AN
IC8609	RH-iX3399CEZZ	J	IX3399	BM
IC8610	9DK001-12068	J	SN74F153DB	AM
IC8611	9DK001-15087	J	NJM2137V	AS

TRANSISTOR

Ref. No.	Part No.	★	Description	Code
Q8012	9DK001-20025	J	IMB3A	AE

DIODES

Ref. No.	Part No.	★	Description	Code
D8001	9DK001-30001	J	1SS193	AC
D8002	9DK001-30001	J	1SS193	AC
D8003	9DK001-30001	J	1SS193	AC
D8004	9DK001-30001	J	1SS193	AC
D8601	9DK001-30018	J	1SS187	AD
D8602	9DK001-30018	J	1SS187	AD

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X8001	9DK001-80012	J	Crystal, 6MHz	AN
X8003	9DK001-80011	J	Crystal, 1.8432MHz	AS
X8004	9DK001-80013	J	Crystal, 22.165MHz	AN
X8005	9DK001-80014	J	Crystal, 16.25MHz	AN

FILTERS

Ref. No.	Part No.	★	Description	Code
FL8002	9DK001-82026	J	Filter, STS104B	AG
FL8003	9DK001-82026	J	Filter, STS104B	AG
FL8005	9DK001-82026	J	Filter, STS104B	AG
FL8006	9DK001-82026	J	Filter, STS104B	AG
FL8021	9DK001-82026	J	Filter, STS104B	AG
FL8022	9DK001-82026	J	Filter, STS104B	AG
FL8023	9DK001-82026	J	Filter, STS104B	AG
FL8026	9DK001-82026	J	Filter, STS104B	AG
FL8027	9DK001-82026	J	Filter, STS104B	AG
FL8028	9DK001-82026	J	Filter, STS104B	AG
FL8032	9DK001-82026	J	Filter, STS104B	AG
FL8034	9DK001-82026	J	Filter, STS104B	AG
FL8037	9DK001-82026	J	Filter, STS104B	AG
FL8039	9DK001-82026	J	Filter, STS104B	AG
FL8041	9DK001-82026	J	Filter, STS104B	AG
FL8048	9DK001-82026	J	Filter, STS104B	AG
FL8049	9DK001-82026	J	Filter, STS104B	AG
FL8051	9DK001-82026	J	Filter, STS104B	AG
FL8053	9DK001-82026	J	Filter, STS104B	AG
FL8054	9DK001-82026	J	Filter, STS104B	AG
FL8056	9DK001-82026	J	Filter, STS104B	AG
FL8057	9DK001-82026	J	Filter, STS104B	AG
FL8058	9DK001-82026	J	Filter, STS104B	AG
FL8600	9DK001-82026	J	Filter, STS104B	AG
FL8601	9DK001-82026	J	Filter, STS104B	AG
FL8602	9DK001-82026	J	Filter, STS104B	AG
FL8603	9DK001-82026	J	Filter, STS104B	AG
FL8604	9DK001-82026	J	Filter, STS104B	AG
FL8606	9DK001-82026	J	Filter, STS104B	AG

COILS

Ref. No.	Part No.	★	Description	Code
L600	9DK001-81052	J	Coil, 3.3µH	AG
L601	9DK001-81052	J	Coil, 3.3µH	AG
L602	9DK001-81052	J	Coil, 3.3µH	AG
L8603	9DK001-81052	J	Coil, 3.3µH	AG
L8604	9DK001-81050	J	Coil, 68µH	AG

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C8001	9DK001-42094	J	0.1	25V	Ceramic	AC
C8002	9DK001-42094	J	0.1	25V	Ceramic	AC
C8006	9DK001-42096	J	0.01	50V	Ceramic	AC
C8009	9DK001-42096	J	0.01	50V	Ceramic	AC
C8012	9DK001-42103	J	15p	50V	Ceramic	AC
C8013	9DK001-42103	J	15p	50V	Ceramic	AC
C8019	9DK001-42104	J	470p	50V	Ceramic	AC
C8020	9DK001-42104	J	470p	50V	Ceramic	AC
C8021	9DK001-42096	J	0.01	50V	Ceramic	AC
C8022	9DK001-42096	J	0.01	50V	Ceramic	AC
C8026	9DK001-42096	J	0.01	50V	Ceramic	AC
C8028	9DK001-42096	J	0.01	50V	Ceramic	AC
C8029	9DK001-42096	J	0.01	50V	Ceramic	AC
C8030	9DK001-42105	J	0.047	50V	Ceramic	AC
C8031	9DK001-42094	J	0.1	25V	Ceramic	AC
C8035	9DK001-42096	J	0.01	50V	Ceramic	AC
C8039	9DK001-42094	J	0.1	25V	Ceramic	AC
C8042	9DK001-42096	J	0.01	50V	Ceramic	AC
C8043	9DK001-42096	J	0.01	50V	Ceramic	AC
C8052	9DK001-42096	J	0.01	50V	Ceramic	AC
C8053	9DK001-42096	J	0.01	50V	Ceramic	AC
C8170	9DK001-42096	J	0.01	50V	Ceramic	AC
C8176	9DK001-42096	J	0.01	50V	Ceramic	AC
C8177	9DK001-42096	J	0.01	50V	Ceramic	AC
C8178	9DK001-42096	J	0.01	50V	Ceramic	AC
C8181	9DK001-42096	J	0.01	50V	Ceramic	AC
C8182	9DK001-42096	J	0.01	50V	Ceramic	AC
C8185	9DK001-42096	J	0.01	50V	Ceramic	AC
C8190	9DK001-42096	J	0.01	50V	Ceramic	AC
C8191	9DK001-42096	J	0.01	50V	Ceramic	AC
C8192	9DK001-42096	J	0.01	50V	Ceramic	AC
C8196	9DK001-42096	J	0.01	50V	Ceramic	AC
C8198	9DK001-42096	J	0.01	50V	Ceramic	AC
C8207	9DK001-42096	J	0.01	50V	Ceramic	AC
C8211	9DK001-42096	J	0.01	50V	Ceramic	AC
C8213	9DK001-42096	J	0.01	50V	Ceramic	AC
C8216	9DK001-42103	J	15p	50V	Ceramic	AC
C8217	9DK001-42096	J	0.01	50V	Ceramic	AC
C8220	9DK001-42103	J	15p	50V	Ceramic	AC
C8223	9DK001-42096	J	0.01	50V	Ceramic	AC
C8228	9DK001-42096	J	0.01	50V	Ceramic	AC
C8230	9DK001-42096	J	0.01	50V	Ceramic	AC
C8231	9DK001-42096	J	0.01	50V	Ceramic	AC
C8233	9DK001-42096	J	0.01	50V	Ceramic	AC
C8247	9DK001-42096	J	0.01	50V	Ceramic	AC
C8250	9DK001-42096	J	0.01	50V	Ceramic	AC
C8252	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8255	9DK001-40092	J	220	4V	Electrolytic	AF
C8257	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8259	9DK001-42103	J	15p	50V	Ceramic	AC
C8265	9DK001-42103	J	15p	50V	Ceramic	AC
C8266	9DK001-42096	J	0.01	50V	Ceramic	AC
C8268	9DK001-42096	J	0.01	50V	Ceramic	AC
C8273	9DK001-42096	J	0.01	50V	Ceramic	AC
C8281	9DK001-42096	J	0.01	50V	Ceramic	AC
C8283	9DK001-42096	J	0.01	50V	Ceramic	AC
C8284	9DK001-42096	J	0.01	50V	Ceramic	AC

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PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
C8285	9DK001-42096	J	0.01 50V Ceramic	AC
C8297	9DK001-42096	J	0.01 50V Ceramic	AC
C8301	9DK001-42096	J	0.01 50V Ceramic	AC
C8305	9DK001-42096	J	0.01 50V Ceramic	AC
C8309	9DK001-42096	J	0.01 50V Ceramic	AC
C8317	9DK001-42096	J	0.01 50V Ceramic	AC
C8325	9DK001-42096	J	0.01 50V Ceramic	AC
C8328	9DK001-42096	J	0.01 50V Ceramic	AC
C8329	9DK001-42096	J	0.01 50V Ceramic	AC
C8330	9DK001-42096	J	0.01 50V Ceramic	AC
C8332	9DK001-42096	J	0.01 50V Ceramic	AC
C8341	9DK001-42094	J	0.1 25V Ceramic	AC
C8342	9DK001-42111	J	1 10V Ceramic	AB
C8343	9DK001-42094	J	0.1 25V Ceramic	AC
C8344	9DK001-40077	J	10 16V Electrolytic	AF
C8349	9DK001-42096	J	0.01 50V Ceramic	AC
C8355	9DK001-42101	J	220p 50V Ceramic	AC
C8361	9DK001-40089	J	47 6.3V Electrolytic	AE
C8366	9DK001-40080	J	100 6.3V Electrolytic	AF
C8367	9DK001-40092	J	220 4V Electrolytic	AF
C8368	9DK001-40090	J	47 4V Electrolytic	AF
C8369	9DK001-40080	J	100 6.3V Electrolytic	AF
C8370	9DK001-40080	J	100 6.3V Electrolytic	AF
C8371	9DK001-40080	J	100 6.3V Electrolytic	AF
C8372	9DK001-40080	J	100 6.3V Electrolytic	AF
C8373	9DK001-40090	J	47 4V Electrolytic	AF
C8374	9DK001-40080	J	100 6.3V Electrolytic	AF
C8375	9DK001-40092	J	220 4V Electrolytic	AF
C8376	9DK001-40080	J	100 6.3V Electrolytic	AF
C8378	9DK001-40080	J	100 6.3V Electrolytic	AF
C8379	9DK001-40080	J	100 6.3V Electrolytic	AF
C8425	9DK001-42096	J	0.01 50V Ceramic	AC
C8432	9DK001-42103	J	15p 50V Ceramic	AC
C8460	9DK001-42094	J	0.1 25V Ceramic	AC
C8470	9DK001-42096	J	0.01 50V Ceramic	AC
C8471	9DK001-42096	J	0.01 50V Ceramic	AC
C8472	9DK001-42096	J	0.01 50V Ceramic	AC
C8600	9DK001-40089	J	47 6.3V Electrolytic	AE
C8602	9DK001-42113	J	4.7 10V Ceramic	AB
C8603	9DK001-42094	J	0.1 25V Ceramic	AC
C8604	9DK001-42094	J	0.1 25V Ceramic	AC
C8605	9DK001-42094	J	0.1 25V Ceramic	AC
C8606	9DK001-42108	J	5p 50V Ceramic	AB
C8607	9DK001-42108	J	5p 50V Ceramic	AB
C8608	9DK001-40079	J	47 16V Electrolytic	AG
C8610	9DK001-40079	J	47 16V Electrolytic	AG
C8612	9DK001-40079	J	47 16V Electrolytic	AG
C8613	9DK001-42096	J	0.01 50V Ceramic	AC
C8614	9DK001-40079	J	47 16V Electrolytic	AG
C8616	9DK001-43018	J	10 16V Tantalum	AH
C8617	9DK001-42094	J	0.1 25V Ceramic	AC
C8620	9DK001-43018	J	10 16V Tantalum	AH
C8621	9DK001-42094	J	0.1 25V Ceramic	AC
C8623	9DK001-43018	J	10 16V Tantalum	AH
C8624	9DK001-42094	J	0.1 25V Ceramic	AC
C8625	9DK001-42094	J	0.1 25V Ceramic	AC
C8626	9DK001-40079	J	47 16V Electrolytic	AG
C8627	9DK001-42094	J	0.1 25V Ceramic	AC
C8630	9DK001-42096	J	0.01 50V Ceramic	AC
C8631	9DK001-42094	J	0.1 25V Ceramic	AC
C8632	9DK001-42125	J	0.068 16V Film	AM
C8633	9DK001-42111	J	1 10V Ceramic	AB
C8634	9DK001-42124	J	680p 25V Ceramic	AC
C8635	9DK001-42099	J	100p 50V Ceramic	AC
C8636	9DK001-42099	J	100p 50V Ceramic	AC
C8637	9DK001-42111	J	1 10V Ceramic	AB
C8638	9DK001-42094	J	0.1 25V Ceramic	AC
C8640	9DK001-42111	J	1 10V Ceramic	AB
C8641	9DK001-42094	J	0.1 25V Ceramic	AC
C8642	9DK001-42094	J	0.1 25V Ceramic	AC
C8645	9DK001-42094	J	0.1 25V Ceramic	AC
C8646	9DK001-42094	J	0.1 25V Ceramic	AC
C8647	9DK001-42096	J	0.01 50V Ceramic	AC
C8648	9DK001-40079	J	47 16V Electrolytic	AG
C8649	9DK001-42094	J	0.1 25V Ceramic	AC
C8650	9DK001-42094	J	0.1 25V Ceramic	AC
C8651	9DK001-42096	J	0.01 50V Ceramic	AC
C8652	9DK001-42094	J	0.1 25V Ceramic	AC
C8653	9DK001-42111	J	1 10V Ceramic	AB
C8654	9DK001-42111	J	1 10V Ceramic	AB
C8656	9DK001-42094	J	0.1 25V Ceramic	AC
C8662	9DK001-42094	J	0.1 25V Ceramic	AC
C8672	9DK001-42096	J	0.01 50V Ceramic	AC
C8674	9DK001-42096	J	0.01 50V Ceramic	AC
C8677	9DK001-42129	J	0.01 16V Film	AL
C8679	9DK001-42096	J	0.01 50V Ceramic	AC
C8684	9DK001-40089	J	47 6.3V Electrolytic	AE
C8685	9DK001-42096	J	0.01 50V Ceramic	AC
C8692	9DK001-42096	J	0.01 50V Ceramic	AC
C8694	9DK001-42096	J	0.01 50V Ceramic	AC
C8695	9DK001-42096	J	0.01 50V Ceramic	AC
C8698	9DK001-42096	J	0.01 50V Ceramic	AC
C8701	9DK001-40091	J	100 4V Electrolytic	AF
C8702	9DK001-43018	J	10 16V Tantalum	AH
C8703	9DK001-43018	J	10 16V Tantalum	AH
C8704	9DK001-43018	J	10 16V Tantalum	AH
C8705	9DK001-42094	J	0.1 25V Ceramic	AC
C8706	9DK001-42111	J	1 10V Ceramic	AB
C8707	9DK001-42094	J	0.1 25V Ceramic	AC
C8708	9DK001-42099	J	100p 50V Ceramic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
FB8001	9DK001-50267	J	33 1/16W Chip1608	AD
FB8002	9DK001-50267	J	33 1/16W Chip1608	AD
FB8003	9DK001-50267	J	33 1/16W Chip1608	AD
FL8001	9DK001-50110	J	0 1/10W Chip2125	AB
FL8024	9DK001-50110	J	0 1/10W Chip2125	AB
FL8025	9DK001-50110	J	0 1/10W Chip2125	AB
FL8033	9DK001-50110	J	0 1/10W Chip2125	AB
FL8038	9DK001-50110	J	0 1/10W Chip2125	AB
FL8043	9DK001-50110	J	0 1/10W Chip2125	AB
FL8044	9DK001-50110	J	0 1/10W Chip2125	AB
FL8045	9DK001-50110	J	0 1/10W Chip2125	AB
FL8046	9DK001-50110	J	0 1/10W Chip2125	AB
FL8605	9DK001-50110	J	0 1/10W Chip2125	AB
R8001	9DK001-50165	J	100 1/16W Chip1608	AA
R8002	9DK001-50165	J	100 1/16W Chip1608	AA
R8003	9DK001-50165	J	100 1/16W Chip1608	AA
R8004	9DK001-50165	J	100 1/16W Chip1608	AA
R8005	9DK001-50163	J	68 1/16W Chip1608	AA
R8006	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8007	9DK001-50209	J	27k 1/16W Chip1608	AA
R8009	9DK001-50204	J	150 1/16W Chip1608	AA
R8011	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8012	9DK001-50207	J	6.8k 1/16W Chip1608	AA
R8013	9DK001-50207	J	6.8k 1/16W Chip1608	AA
R8014	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8015	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8016	9DK001-50198	J	1.69k1/16W Chip1608	AB
R8017	9DK001-50185	J	10k 1/16W Chip1608	AA
R8018	9DK001-50199	J	2.15k1/16W Chip1608	AB
R8019	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8022	9DK001-50185	J	10k 1/16W Chip1608	AA
R8023	9DK001-50185	J	10k 1/16W Chip1608	AA
R8027	9DK001-50209	J	27k 1/16W Chip1608	AA
R8028	9DK001-50183	J	4.7k 1/16W Chip1608	AA
R8033	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8034	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8035	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8036	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8040	9DK001-50163	J	68 1/16W Chip1608	AA
R8043	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8044	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8050	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8051	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8057	9DK001-51030	J	10k 1/16W Resistor Array	AD

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Ref. No.	Part No.	★	Description	Code
R8058	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8061	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8065	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8066	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8071	9DK001-50159	J	22 1/16W Chip1608	AA
R8072	9DK001-50159	J	22 1/16W Chip1608	AA
R8097	9DK001-50162	J	56 1/16W Chip1608	AA
R8100	9DK001-50162	J	56 1/16W Chip1608	AA
R8104	9DK001-50162	J	56 1/16W Chip1608	AA
R8107	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8114	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8116	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8117	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8155	9DK001-50150	J	10 1/16W Chip1608	AA
R8156	9DK001-50150	J	10 1/16W Chip1608	AA
R8157	9DK001-50167	J	180 1/16W Chip1608	AA
R8158	9DK001-50163	J	68 1/16W Chip1608	AA
R8159	9DK001-50167	J	180 1/16W Chip1608	AA
R8160	9DK001-50163	J	68 1/16W Chip1608	AA
R8162	9DK001-50163	J	68 1/16W Chip1608	AA
R8164	9DK001-50150	J	10 1/16W Chip1608	AA
R8167	9DK001-50159	J	22 1/16W Chip1608	AA
R8168	9DK001-50159	J	22 1/16W Chip1608	AA
R8169	9DK001-50159	J	22 1/16W Chip1608	AA
R8170	9DK001-50159	J	22 1/16W Chip1608	AA
R8172	9DK001-50201	J	15 1/16W Chip1608	AA
R8176	9DK001-50150	J	10 1/16W Chip1608	AA
R8180	9DK001-50159	J	22 1/16W Chip1608	AA
R8181	9DK001-50159	J	22 1/16W Chip1608	AA
R8182	9DK001-50159	J	22 1/16W Chip1608	AA
R8183	9DK001-50159	J	22 1/16W Chip1608	AA
R8185	9DK001-50165	J	100 1/16W Chip1608	AA
R8186	9DK001-50204	J	150 1/16W Chip1608	AA
R8187	9DK001-50203	J	62 1/16W Chip1608	AA
R8191	9DK001-50159	J	22 1/16W Chip1608	AA
R8193	9DK001-50159	J	22 1/16W Chip1608	AA
R8194	9DK001-50159	J	22 1/16W Chip1608	AA
R8195	9DK001-50159	J	22 1/16W Chip1608	AA
R8197	9DK001-50190	J	1M 1/16W Chip1608	AA
R8202	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8203	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8204	9DK001-50159	J	22 1/16W Chip1608	AA
R8205	9DK001-50159	J	22 1/16W Chip1608	AA
R8206	9DK001-50159	J	22 1/16W Chip1608	AA
R8207	9DK001-50185	J	10k 1/16W Chip1608	AA
R8209	9DK001-50185	J	10k 1/16W Chip1608	AA
R8210	9DK001-50173	J	470 1/16W Chip1608	AA
R8211	9DK001-50205	J	1.8k 1/16W Chip1608	AA
R8215	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8216	9DK001-50150	J	10 1/16W Chip1608	AA
R8217	9DK001-50149	J	0 1/16W Chip1608	AB
R8218	9DK001-50164	J	82 1/16W Chip1608	AA
R8219	9DK001-50165	J	100 1/16W Chip1608	AA
R8220	9DK001-50185	J	10k 1/16W Chip1608	AA
R8221	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8222	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8223	9DK001-50185	J	10k 1/16W Chip1608	AA
R8224	9DK001-50185	J	10k 1/16W Chip1608	AA
R8227	9DK001-50190	J	1M 1/16W Chip1608	AA
R8228	9DK001-50150	J	10 1/16W Chip1608	AA
R8229	9DK001-50150	J	10 1/16W Chip1608	AA
R8230	9DK001-50150	J	10 1/16W Chip1608	AA
R8231	9DK001-50165	J	100 1/16W Chip1608	AA
R8232	9DK001-50203	J	62 1/16W Chip1608	AA
R8233	9DK001-50204	J	150 1/16W Chip1608	AA
R8235	9DK001-50150	J	10 1/16W Chip1608	AA
R8239	9DK001-50169	J	220 1/16W Chip1608	AA
R8240	9DK001-50185	J	10k 1/16W Chip1608	AA
R8246	9DK001-50185	J	10k 1/16W Chip1608	AA
R8251	9DK001-50159	J	22 1/16W Chip1608	AA
R8252	9DK001-50159	J	22 1/16W Chip1608	AA

Ref. No.	Part No.	★	Description	Code
R8253	9DK001-50159	J	22 1/16W Chip1608	AA
R8254	9DK001-50159	J	22 1/16W Chip1608	AA
R8255	9DK001-50159	J	22 1/16W Chip1608	AA
R8257	9DK001-50185	J	10k 1/16W Chip1608	AA
R8264	9DK001-50162	J	56 1/16W Chip1608	AA
R8267	9DK001-50162	J	56 1/16W Chip1608	AA
R8272	9DK001-50263	J	1k 1/4W Chip3216	AB
R8276	9DK001-50155	J	3k 1/16W Chip1608	AB
R8278	9DK001-50162	J	56 1/16W Chip1608	AA
R8279	9DK001-50162	J	56 1/16W Chip1608	AA
R8280	9DK001-50165	J	100 1/16W Chip1608	AA
R8281	9DK001-50222	j	1.3k 1/16W Chip1608	AB
R8282	9DK001-50165	J	100 1/16W Chip1608	AA
R8289	9DK001-50207	J	6.8k 1/16W Chip1608	AA
R8290	9DK001-50165	J	100 1/16W Chip1608	AA
R8295	9DK001-50185	J	10k 1/16W Chip1608	AA
R8297	9DK001-50162	J	56 1/16W Chip1608	AA
R8298	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8299	9DK001-50162	J	56 1/16W Chip1608	AA
R8300	9DK001-50185	J	10k 1/16W Chip1608	AA
R8301	9DK001-50185	J	10k 1/16W Chip1608	AA
R8302	9DK001-50264	J	680 1/16W Chip1608	AD
R8304	9DK001-50185	J	10k 1/16W Chip1608	AA
R8305	9DK001-50185	J	10k 1/16W Chip1608	AA
R8307	9DK001-50162	J	56 1/16W Chip1608	AA
R8309	9DK001-50162	J	56 1/16W Chip1608	AA
R8316	9DK001-50185	J	10k 1/16W Chip1608	AA
R8318	9DK001-50185	J	10k 1/16W Chip1608	AA
R8319	9DK001-50169	J	220 1/16W Chip1608	AA
R8320	9DK001-50149	J	0 1/16W Chip1608	AB
R8321	9DK001-50173	J	470 1/16W Chip1608	AA
R8322	9DK001-50205	J	1.8k 1/16W Chip1608	AA
R8323	9DK001-50150	J	10 1/16W Chip1608	AA
R8325	9DK001-50150	J	10 1/16W Chip1608	AA
R8326	9DK001-50150	J	10 1/16W Chip1608	AA
R8327	9DK001-50150	J	10 1/16W Chip1608	AA
R8328	9DK001-50150	J	10 1/16W Chip1608	AA
R8329	9DK001-50162	J	56 1/16W Chip1608	AA
R8330	9DK001-50165	J	100 1/16W Chip1608	AA
R8339	9DK001-50185	J	10k 1/16W Chip1608	AA
R8340	9DK001-50185	J	10k 1/16W Chip1608	AA
R8341	9DK001-50150	J	10 1/16W Chip1608	AA
R8342	9DK001-50150	J	10 1/16W Chip1608	AA
R8343	9DK001-50159	J	22 1/16W Chip1608	AA
R8344	9DK001-50185	J	10k 1/16W Chip1608	AA
R8345	9DK001-50185	J	10k 1/16W Chip1608	AA
R8348	9DK001-50149	J	0 1/16W Chip1608	AB
R8353	9DK001-50149	J	0 1/16W Chip1608	AB
R8362	9DK001-50162	J	56 1/16W Chip1608	AA
R8363	9DK001-50162	J	56 1/16W Chip1608	AA
R8364	9DK001-50162	J	56 1/16W Chip1608	AA
R8365	9DK001-50162	J	56 1/16W Chip1608	AA
R8366	9DK001-50162	J	56 1/16W Chip1608	AA
R8367	9DK001-50162	J	56 1/16W Chip1608	AA
R8368	9DK001-50162	J	56 1/16W Chip1608	AA
R8369	9DK001-50162	J	56 1/16W Chip1608	AA
R8370	9DK001-50162	J	56 1/16W Chip1608	AA
R8447	9DK001-50150	J	10 1/16W Chip1608	AA
R8448	9DK001-50150	J	10 1/16W Chip1608	AA
R8456	9DK001-50185	J	10k 1/16W Chip1608	AA
R8465	9DK001-50110	J	0 1/10W Chip2125	AB
R8466	9DK001-50110	J	0 1/10W Chip2125	AB
R8471	9DK001-50110	J	0 1/10W Chip2125	AB
R8472	9DK001-50110	J	0 1/10W Chip2125	AB
R8481	9DK001-50149	J	0 1/16W Chip1608	AB
R8489	9DK001-50149	J	0 1/16W Chip1608	AB
R8600	9DK001-50185	J	10k 1/16W Chip1608	AA
R8601	9DK001-50110	J	0 1/10W Chip2125	AB
R8603	9DK001-50216	J	360 1/16W Chip1608	AA
R8604	9DK001-50162	J	56 1/16W Chip1608	AA
R8605	9DK001-50165	J	100 1/16W Chip1608	AA
R8606	9DK001-50163	J	68 1/16W Chip1608	AA
R8607	9DK001-50185	J	10k 1/16W Chip1608	AA
R8608	9DK001-50161	J	47 1/16W Chip1608	AA
R8609	9DK001-50161	J	47 1/16W Chip1608	AA

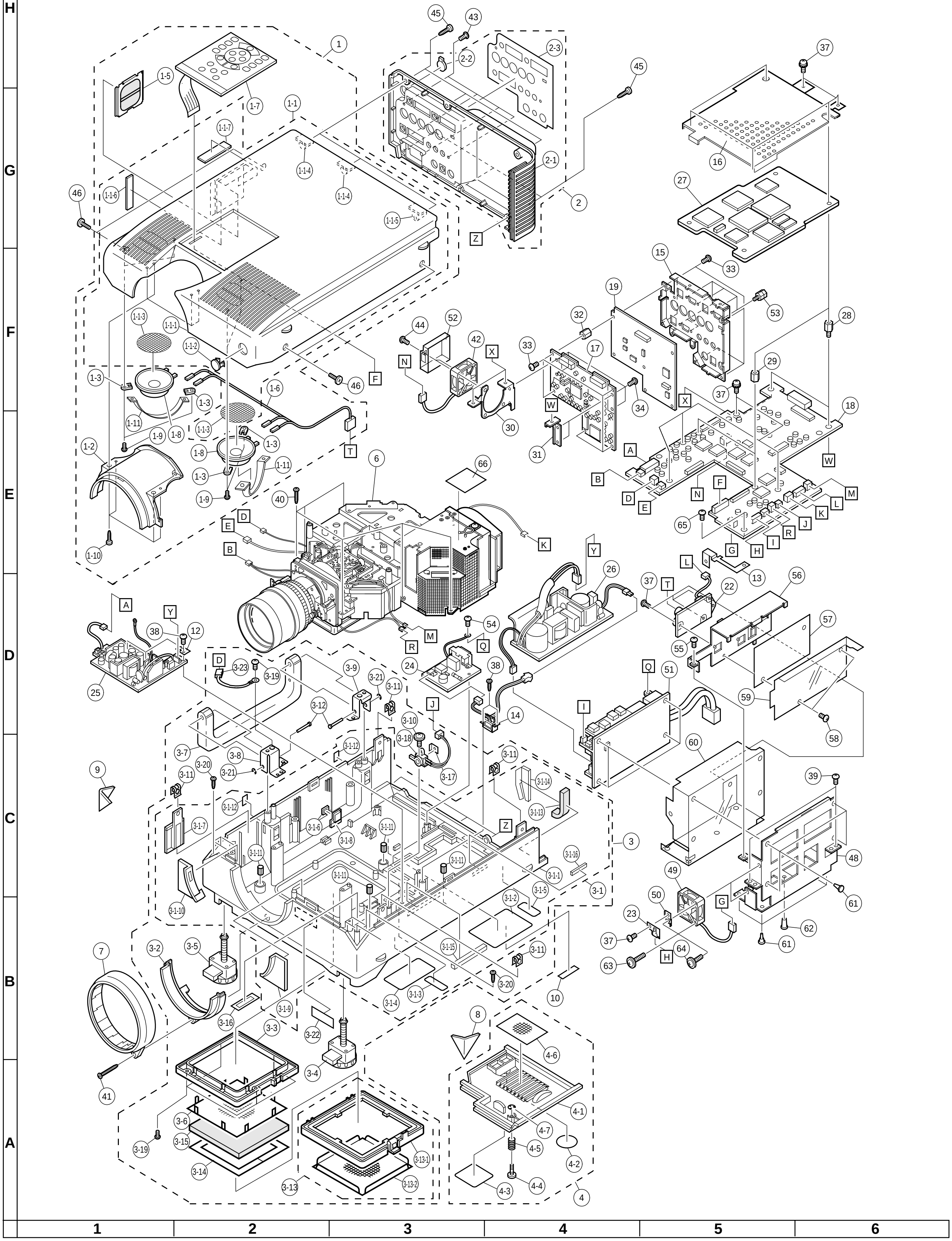
CPCi-0047CE12
PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R8610	9DK001-50165	J	100 1/16W Chip1608	AA
R8611	9DK001-50176	J	820 1/16W Chip1608	AA
R8612	9DK001-50176	J	820 1/16W Chip1608	AA
R8613	9DK001-50204	J	150 1/16W Chip1608	AA
R8614	9DK001-50204	J	150 1/16W Chip1608	AA
R8615	9DK001-50176	J	820 1/16W Chip1608	AA
R8616	9DK001-50176	J	820 1/16W Chip1608	AA
R8620	9DK001-50159	J	22 1/16W Chip1608	AA
R8621	9DK001-50203	J	62 1/16W Chip1608	AA
R8623	9DK001-50159	J	22 1/16W Chip1608	AA
R8624	9DK001-50203	J	62 1/16W Chip1608	AA
R8625	9DK001-50176	J	820 1/16W Chip1608	AA
R8627	9DK001-50159	J	22 1/16W Chip1608	AA
R8628	9DK001-50203	J	62 1/16W Chip1608	AA
R8629	9DK001-50256	J	1.6k 1/16W Chip1608	AB
R8630	9DK001-50237	J	1k 1/16W Chip1608	AA
R8632	9DK001-50155	J	3k 1/16W Chip1608	AB
R8635	9DK001-50155	J	3k 1/16W Chip1608	AB
R8637	9DK001-50149	J	0 1/16W Chip1608	AB
R8639	9DK001-50149	J	0 1/16W Chip1608	AB
R8640	9DK001-50210	J	33k 1/16W Chip1608	AA
R8641	9DK001-50210	J	33k 1/16W Chip1608	AA
R8642	9DK001-50150	J	10 1/16W Chip1608	AA
R8643	9DK001-50150	J	10 1/16W Chip1608	AA
R8644	9DK001-50149	J	0 1/16W Chip1608	AB
R8645	9DK001-50185	J	10k 1/16W Chip1608	AA
R8648	9DK001-50159	J	22 1/16W Chip1608	AA
R8649	9DK001-50159	J	22 1/16W Chip1608	AA
R8650	9DK001-50159	J	22 1/16W Chip1608	AA
R8651	9DK001-50159	J	22 1/16W Chip1608	AA
R8672	9DK001-50185	J	10k 1/16W Chip1608	AA
R8673	9DK001-50257	J	75 1/16W Chip1608	AA
R8674	9DK001-50218	J	20k 1/16W Chip1608	AA
R8675	9DK001-50150	J	10 1/16W Chip1608	AA
R8680	9DK001-50185	J	10k 1/16W Chip1608	AA
R8683	9DK001-50266	J	13 1/10W Chip2125	AA
R8684	9DK001-50266	J	13 1/10W Chip2125	AA
R8685	9DK001-50266	J	13 1/10W Chip2125	AA
R8687	9DK001-50159	J	22 1/16W Chip1608	AA
R8688	9DK001-50173	J	470 1/16W Chip1608	AA
R8689	9DK001-50165	J	100 1/16W Chip1608	AA
R8690	9DK001-50177	J	1k 1/16W Chip1608	AA
R8691	9DK001-50177	J	1k 1/16W Chip1608	AA
			SWITCH	
S8001	9DK001-70012	J	Switch SSSS812-B-2B	AL
			MISCELLANEOUS PARTS	
P8404	9DK001-60038	J	Connector, 60-pin	AR
P8405	9DK001-60038	J	Connector, 60-pin	AR
P8502	9DK001-60038	J	Connector, 60-pin	AR
TP8004	9DK001-84014	J	Lug, Test Point	AE
TP8005	9DK001-84014	J	Lug, Test Point	AE
TP8006	9DK001-84014	J	Lug, Test Point	AE
TP8007	9DK001-84014	J	Lug, Test Point	AE
TP8082	9DK001-84014	J	Lug, Test Point	AE
TP8083	9DK001-84014	J	Lug, Test Point	AE

CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	*Not Available*	–	Top Cabinet Ass'y	—
1-1	DBDYT1190CE01	J	Top Cabinet Ass'y	BP
1-1-1	*Not Available*	–	Top Cabinet	—
1-1-2	GCOVA1823CESA	J	R/C Cover, Front	AD
1-1-3	GNETC0163CEZZ	J	Speaker Net, x2	AE
1-1-4	LHLDZ2127CEKZ	J	Holder (S), x2	AD
1-1-5	LHLDZ2128CEKZ	J	Holder (L)	AD
1-1-6	PMLT-0345CEZZ	J	Spacer (for PC Fan)	AB
1-1-7	PMLT-0346CEZZ	J	Spacer (for PC Fan)	AB
1-2	GCOVA1819CEKA	J	Lens Cover (Top)	AH
1-3	LANGS0123CEFW	J	Speaker Angle, x4	AD
1-5	PFiLD0084CEZZ	J	Side Filter	AK
1-6	QCNW-5308CEZZ	J	Speaker Lead Wire	AG
1-7	QSW-Z0527CEZZ	J	Operation Key Unit	BB
1-8	VSP0050P-M88A	J	Speaker, x2	AN
1-9	XEPSD30P10000	J	Screw, x4	AA
1-10	XEPSD30P12000	J	Screw, x4	AA
1-11	LHLDZ9155CEZZ	J	Speaker Holder, x2	AD
2	DBDYR1095CE01	J	Rear Cabinet Ass'y	BE
2-1	*Not Available*	–	Rear Cabinet	—
2-2	GCOVA1824CESA	J	R/C Cover, Rear	AD
2-3	HiNDP5601CESA	J	Terminal Indication	AH
3	*Not Available*	–	Bottom Cabinet Ass'y	—
3-1	DBDYU1119CE01	J	Bottom Cabinet Ass'y (for Europe)	BR
3-1	DBDYU1119CE02	J	Bottom Cabinet Ass'y (for Australia)	BR
3-1-1	*Not Available*	–	Bottom Cabinet	—
3-1-2	HiNDP5703CEZZ	J	Model Label (for Europe)	
3-1-2	HiNDP5639CEZZ	J	Model Label (for Australia)	AE
3-1-3	HiNDP5371CESD	J	AC Indication (ENGLISH)	AC
3-1-4	HiNDP5620CESA	J	Caution Label	AD
3-1-5	HiNDP5399CESD	J	AC Indication (FRENCH)	AC
3-1-6	LANGF2134CEFW	J	Angle, for K. Lock	AE
3-1-7	LHLDZ2074CEKZ	J	Holder	AD
3-1-8	LHLDZ2077CEKZ	J	Cover, for K. Lock	AD
3-1-9	LHLDZ2126CEKZ	J	Lens Holder (A)	AE
3-1-10	LHLDZ2129CEKZ	J	Lens Holder (B)	AE
3-1-11	LX-NZ3144CEFW	J	Nut, x4	AC
3-1-12	PSPAT0038CEZZ	J	Tefron Tape, for Handle, x2	AC
3-1-13	PSPAZ0320CEZZ	J	Spacer	AC
3-1-14	PSPAZ0322CEZZ	J	Heat Cover	AE
3-1-15	PSPAZ0323CEZZ	J	Spacer, Side (F)	AD
3-1-16	PSPAZ0391CEZZ	J	Spacer, Side (R)	AB
3-2	GCOVA1821CEKA	J	Lens Cover (Bottom)	AG
3-3	GCOVH1321CEKA	J	Inner Filter Frame	AG
3-4	GLEGP1020CEKA	J	Adjuster-Right	AV
3-5	GLEGP3019CEKA	J	Adjuster-Left	AV
3-6	HPNC-0424CESA	J	Intake Punching	AH
3-7	JHNDA1037CESF	J	Handle	AP
3-8	LANGF9541CEFW	J	Angle-A, for Handle	AF
3-9	LANGF9542CEFW	J	Angle-B, for Handle	AE
3-10	LX-HZ3106CEFD	J	Screw	AB
3-11	LX-NZ3155CEFF	J	Speed Nut, x4	AF
3-12	NSFTH0016CE00	J	Handle Shaft, x2	AD
3-13	CCOVA1664CE08	J	Intake Cover Ass'y	AQ
3-13-1	*Not Available*	–	Intake Cover	—
3-13-2	HPNC-0410CESG	J	Intake Cover Punching	AK
3-14	PCOVM9029CEKZ	J	Dust Cover	AD
3-15	PFiLD0079CEZZ	J	Intake Air Filter	AD
3-16	PFiLD0115CEZZ	J	Bottom Filter	AC
3-17	PZETK0072CEKZ	J	Leaf Switch Barrier	AB
3-18	QCNW-5351CEZZ	J	Leaf Switch	AH
3-19	XEBSD30P10000	J	Screw, x5	AA
3-20	XEBSD30P14000	J	Screw, x8	AA
3-21	XRESJ30-06000	J	E-Ring, x2	AA
3-22	HINDP5405CESA	J	Lens Caution Label	AE
3-23	RH-HZ0055CEZZ	J	Sensor	AM
4	CCOVA1818CE06	J	Lamp Cage Cover Ass'y	AX
4-1	*Not Available*	–	Lamp Cage Cover	—
4-2	GCOVH1322CESA	J	Cap	AF
4-3	HiNDP5398CESD	J	Coution Label	AD
4-4	LX-BZ1009CEFN	J	Screw	AC
4-5	MSPRC0202CEFW	J	Spring	AB
4-6	PCOVM1018CEKZ	J	Dust Cover	AF
4-7	XRESJ30-06000	J	E-Ring	AA
6	*Refer to Optics Mechanism Parts*			
7	GCOVA1820CEKA	J	Lens Cover (Middle)	AH
8	GCOVA1848CESB	J	Cover (R)	AF
9	GCOVA1847CESB	J	Cover (L)	AM
10	TLABN0246CEZZ	J	Serial No.Label (for Europe)	AD
10	TLABN0247CEZZ	J	Serial No.Label (for Australia)	AD
12	PZETK0071CEKZ	J	Shield	AC
13	QEARP0099CEFW	J	Angle	AF
14	QCNW-5352CEZZ	J	AC Power Switch	AV
15	PSLDM4579CEFW	J	Sheild	AK
16	PSLDM4626CEFW	J	Sheild	AF
17	*Not Available*	–	Signal Unit	—
18	*Not Available*	–	Output Unit	—
19	*Not Available*	–	Terminal Unit	—
22	*Not Available*	–	Sound Out Unit	—
23	*Not Available*	–	R/C Receiver Unit	—
24	*Not Available*	–	Inlet Unit	—
25	*Not Available*	–	Power Unit	—
26	*Not Available*	–	PFC Unit	—
27	*Not Available*	–	PC I/F Unit	—
28	NSFTZ0106CEFW	J	Shaft, x2	AC
29	NSFTZ0145CEFW	J	Shaft, x2	AD
30	LANGT3276CEFW	J	Angle	AG
31	LANGT3277CEFW	J	Angle	AE
32	NSFTZ0140CEFW	J	Shaft, x5	AC
33	XBPSD26P04000	J	Screw, x10	AA
34	XBPSD30P06R00	J	Screw, x4	AB
37	XBPSD30P06R00	J	Screw, x14	AB
38	XEBSD30P10000	J	Screw, x6	AA
39	XTASD30P16000	J	Screw, x2	AA
40	XTASD40P20000	J	Screw, x6	AA
41	XTBSF30P30000	J	Screw	AB
42	NFANR0090CE00	J	PC Fan	BA
43	XBPSN30P10000	J	Screw, x4	AA
44	XBBSD30P14000	J	Screw, x2	AA
45	XEPSN40P12000	J	Screw, x6	AC
46	LX-HZ3084CEFN	J	Screw, x4	AB
48	9FJ0N00001950	J	Case Base	AN
49	9FJ0M41001120	J	Fan	AX
50	9FJ0O00101930	J	Angle	AH
51	RDENC0302CEZZ	J	Ballast Unit (The Ballast Unit is supplied only as an assembly.)	CC
52	PSLDM4600CEFW	J	PC Fan Shield	AH
53	NSFTZ0134CEFW	J	Shaft, for D-Sub, x6	AD
54	XBPSD40P08JS0	J	Screw	AA
55	XBPSD30P04000	J	Screw, x2	AA
56	9FJ0N00001960	J	Shield Case	AN
57	9FJ0L13901320	J	Shield Board	AG
58	9FJ0S89000020	J	Screw	AB
59	9FJ0A11901520	J	Insulation Barrier	AR
60	9FJ0A11901510	J	Insulation Barrier	AR
61	9FJ0G20002690	J	Circuit Board Spacer	AD
62	9FJ0G20002820	J	Circuit Board Spacer	AD
63	9FJ0S07004300	J	Screw	AC
64	9FJ0S08004300	J	Screw	AC
65	LX-HZ3103CEFD	J	Screw	AB
66	TLABZ0754CEZZ	J	Label	AD

CABINET AND MECHANICAL PARTS/ GEHÄUSE UND MECHANISCHE BAUTEILE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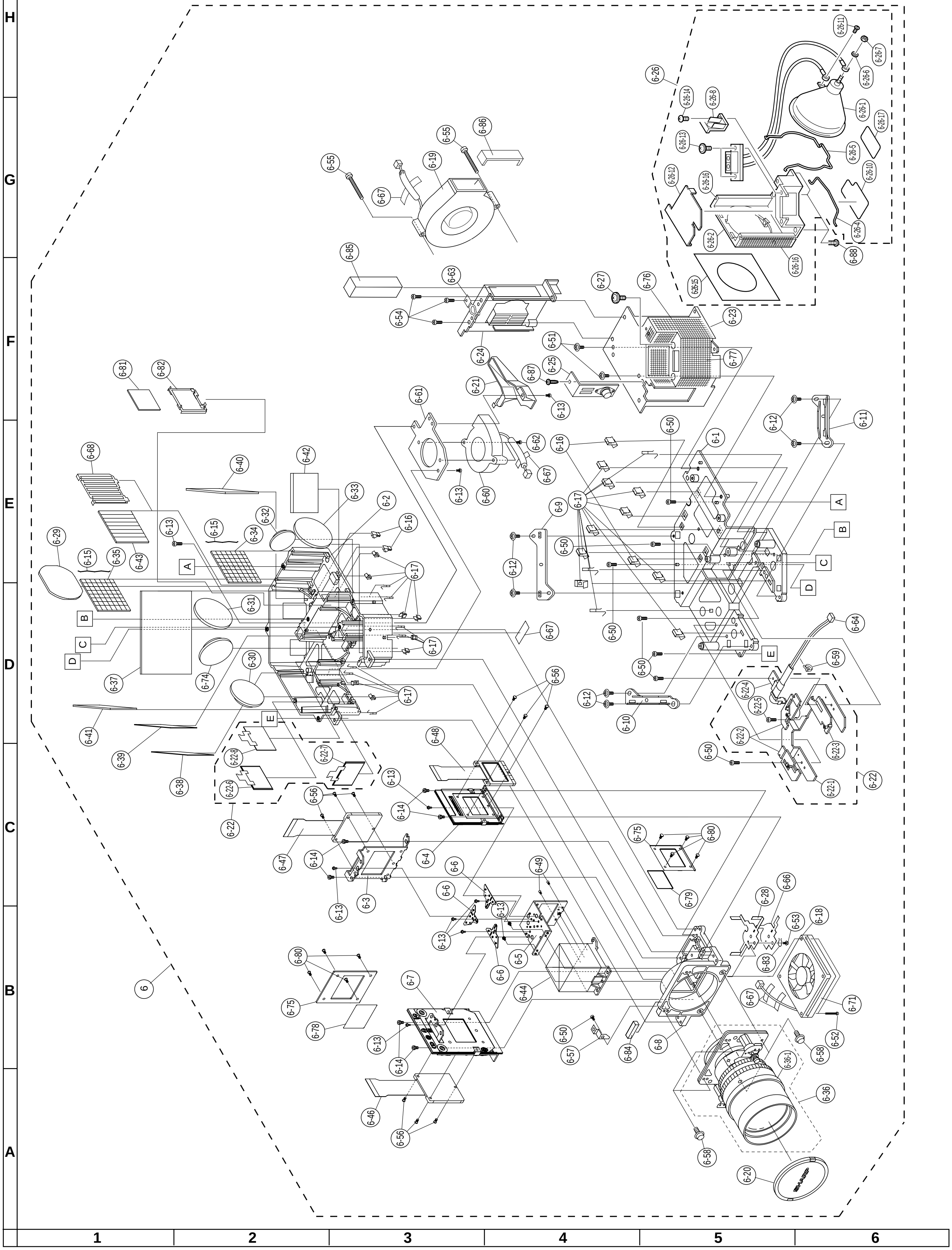
OPTICS MECHANISM PARTS

Ref. No.	Part No.	★	Description	Code
6	CCHSK0062CE09	J	Optics Macha. Ass'y	CQ
6-1	LCHSK0082CEKZ	J	Optics Mecha. Cover	BB
6-2	LCHSK0064CEKZ	J	Optics Mecha. Base	BB
6-3	LANGG1174CEFW	J	G Adjusting Plate	AP
6-4	CANGG1161CE03	J	B Adjusting Plate	AY
6-5	LANGG0110CEFW	J	Guide Plate-Top	AM
6-6	LANGG1126CEFW	J	Slide Plate, x3	AG
6-7	CANGG1161CE03	J	R Adjusting Plate	AY
6-8	LHLDZ3064CEZZ	J	Holder, for Prism	BA
6-9	LHLDZ9134CEKZ	J	M1 Adjust Lever	AG
6-10	LHLDZ9135CEKZ	J	M5 Adjust Lever	AF
6-11	LHLDZ9136CEKZ	J	M6 Adjust Lever	AF
6-12	LX-BZ3038GEFD	J	Screw M3-8, x6	AA
6-13	LX-BZ3370CEFD	J	Screw M2.66-6wsw, x11	AB
6-14	LX-BZ3388CEFD	J	Screw M2.6-5, x6	AE
6-15	MSPRP1199CEFW	J	Flyeye Fitting Spring, x2	AD
6-16	MSPRP1197CEFW	J	PBS Fitting Spring, x4	AE
6-17	MSPRP1198CEFW	J	Mirror Fitting Spring, x28	AD
6-18	NFANR0076CE00	J	Cooling Fan (Intake), x1	AT
6-19	NFANS0009CE00	J	Cooling Fan (Exhaust), x1	BB
6-20	PCAPH1056CESA	J	Lens Cap	AW
6-21	PDUC-0119CEKZ	J	PBS Duct Cover	AF
6-22	CANGG0107CE02	J	Polarizer Fixing Plate Adjusting Mechanism Ass'y	BV
6-22-1	LANGU9034CEFW	J	Polarizer Fixing Plate	AH
6-22-2	LANGU9035CEFW	J	Polarizer Fixing Plate Adjusting Lever R·G, x2	AF
6-22-3	LANGU9036CEFW	J	Polarizer Fixing Plate Adjusting Lever B	AF
6-22-4	LANGU9038CEFW	J	Thermistor Angle	AE
6-22-5	XBBSD20P04000	J	Screw, x1	AA
6-22-6	CANGU9037CE04	J	Polarizer Input Filter-R	BD
6-22-7	CANGU9037CE05	J	Polarizer Input Filter-G	BA
6-22-8	CANGU9037CE06	J	Polarizer Input Filter-B	BC
6-23	PDUC-0120CEKZ	J	Duct Holder	AV
6-24	PDUC-0118CEKZ	J	Angle, for Fan	AT
6-25	CBiM-0001DE29	J	Bimetal Ass'y	AY
⚠ 6-26	BQC-XGP10XE/1	J	Metal-Halide Lamp Unit	CQ
⚠ 6-26-1	CLMPF0064CE01	J	Lamp/Mirror Ass'y	CL
6-26-2	PCASZ1038CEKZ	J	Lamp Case	AR
6-26-4	LHLDZ3054CEFW	J	Handle	AE
6-26-5	MSPRK0084CEFW	J	Spring	AH
6-26-6	LX-WZ3102CEFN	J	Washer	AA
6-26-7	LX-NZ3108CEFN	J	Nut	AA
6-26-8	PCOVZ1092CEKZ	J	Cover	AF
6-26-10	TLABZ0761CEZZ	J	Label	AD
6-26-11	LX-BZ3270CEFN	J	Screw	AA
6-26-12	PSLDP3061CEFW	J	Shielding Plate	AE
6-26-13	LX-HZ3106CEFD	J	Screw, x2	AB
6-26-14	XEPSD30P10000	J	Screw	AA
6-26-15	PCOVZ3023CEFW	J	Cover, for Lamp	AN
6-26-16	HPNC-0463CEFW	J	Net, x2	AF
6-26-17	TLABZ0758CEZZ	J	Label	AD
6-27	LX-HZ3106CEFD	J	Screw, x2	AB
6-28	PGiDH0032CEFW	J	Flap	AG
6-29	PLNS-0126CEZZ	J	L1	BM
6-30	PLNS-0127CEZZ	J	L2, R	AZ
6-31	PLNS-0214CEZZ	J	G01	AZ
6-32	PLNS-0129CEZZ	J	G02	AW
6-33	PLNS-0214CEZZ	J	G03	BA
6-34	PLNS-0131CEZZ	J	Flyeye Lens (Incoming-Light)	BR
6-35	PLNS-0132CEZZ	J	Flyeye Lens (Outgoing-Light)	BP
6-36	CLNS-0169CE02	J	Projection Lens	CN
6-36-1	PMLT-0359CEZZ	J	Lens Spacer	AS
6-37	PMiR-0183CEZZ	J	Mirror-1	AP
6-38	PMiR-0268CEZZ	J	Mirror-2	BF
6-39	PMiR-0237CEZZ	J	Mirror-3	BL
6-40	PMiR-0186CEZZ	J	Mirror-4	AN
6-41	PMiR-0187CEZZ	J	Mirror-5	AN
6-42	PMiR-0186CEZZ	J	Mirror-6	AN
6-43	PMiR-0269CEZZ	J	PBS	CA
6-44	PMiR-0264CEZZ	J	Cross Prism (with Base)	CE
6-46	RLCDP0102CEN1	J	LCD Module Unit, Red	DK
6-47	RLCDP0103CEN1	J	LCD Module Unit, Green	DK
6-48	RLCDP0104CEN1	J	LCD Module Unit, Blue	DK
6-49	XAPSF20P05000	J	Screw M2-5, x2	AA
6-50	XBBSD30P08000	J	Screw M3-8, x10	AA
6-51	XBPSD40P10JS0	J	Screw M4-10, x4	AA
6-52	XBPSD40P30000	J	Screw M4-25, x2	AA
6-53	XBPSD20P06JS0	J	Screw M2-6, x1	AA
6-54	XEBSD40P12000	J	Screw M4-25, x3	AA
6-55	XEPSD40P35000	J	Screw M4-35, x2	AA
6-56	XSSSF20P06000	J	Screw M2-5, x9	AA
6-57	LANGT3278CEFW	J	PWB Plate	AE
6-58	LX-BZ3404CEFD	J	Screw M4-12, x4	AB
6-59	LHLDW1033CEKZ	J	Wire Holder	AA
6-60	NFANS0006CE00	J	Fan	BB
6-61	LANGK0682CEFW	J	Fan Plate	AG
6-62	XBPSD40P20000	J	Screw, x2	AC
6-63	LHLDW1046CEZZ	J	Wire Holder	AA
6-64	RH-HZ0048CEZZ	J	Thermistor (Q)	AN
6-66	PGiDH0036CEFW	J	Flap	AH
6-67	PSPAT0003CEZZ	J	Teflon Tape, x5	AA
6-68	PSLDP3059CEFW	J	PBS Aperture	AE
6-71	PSPAG0366CE00	J	Spacer	AD
6-74	PLNS-0127CEZZ	J	L2, G	AZ
6-75	LANGK0742CEFW	J	PF Plate for GB out PF, x2	AG
6-76	PCOVZ3007CEFW	J	Net	AG
6-77	PCOVZ3019CEFW	J	Net	AK
6-78	PFiLW0263CEZZ	J	G Out PF	BK
6-79	PFiLW0259CEZZ	J	B Out PF	BH
6-80	XiPSF20P02000	J	Screw, x6	AA
6-81	PFiLW0270CEZZ	J	UV Filter	BB
6-82	PSLDP9036CEFW	J	UV Aperture	AF
6-83	PGiDH0033CEFW	J	Flap	AE
6-84	PSPAZ0321CEZZ	J	Molt	AB
6-85	PSPAZ0383CEZZ	J	Spacer-A	AD
6-86	PSPAZ0384CEZZ	J	Spacer-B	AD
6-87	XEBSD30P10000	J	Screw, x1	AA
6-88	XBTSC40P12000	J	Screw, x3	AB

OPTICS MECHANISM PARTS/
TEILE FÜR OPTIKMECHANISMUS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SUPPLIED ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	PFiLD0080CEZZ	J	Extra Air Filter	AE
⚠	QACCV4002CEZZ	J	AC Cord (for Europe)	AZ
⚠	QACCB5024CEZZ	J	AC Cord (for U.K. and Hong Kong)	BA
⚠	QACCL3022CEZZ	J	AC Cord (for Australia and New Zealand)	AZ
	QCNW-5304CEZZ	J	Computer RGB Cable	AV
	QCNW-4870CEZZ	J	Computer Audio Cable	AQ
	QCNW-5113CEZZ	J	PS/2 Mouse Control Cable	AN
	QCNW-5288CEZZ	J	DIN D-Sub RS-232C Cable	AM
	QCNW-5680CEZZ	J	USB Mouse Control Cable	AP
	QPLGJ0107GEZZ	J	BNC-RCA Adaptor	AR
	RRMCG1590CESA	J	Wireless R/C Unit	BR
	RUNTK0673CEZZ	J	Remote Mouse Receiver	BM
	UDSKA0026CEN1	J	CD-ROM	AQ
	TiNS-7068CEZZ	J	Operation Manual	AY
	TiNS-7069CEZZ	J	SAPS Operation Manual	AU
	TiNS-7070CEZZ	J	Quick Reference1	AH
	TiNS-7171CEZZ	J	Quick Reference2	AH
	TiNS-7172CEZZ	J	Quick Reference3	AG
	PCAPH1056CESA	J	Lens Cap	AW

ACCESSORIES (NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	TCAUZ3032CEZZ	–	Software Caution	—
	—	–	Two AA Size Batteries	—

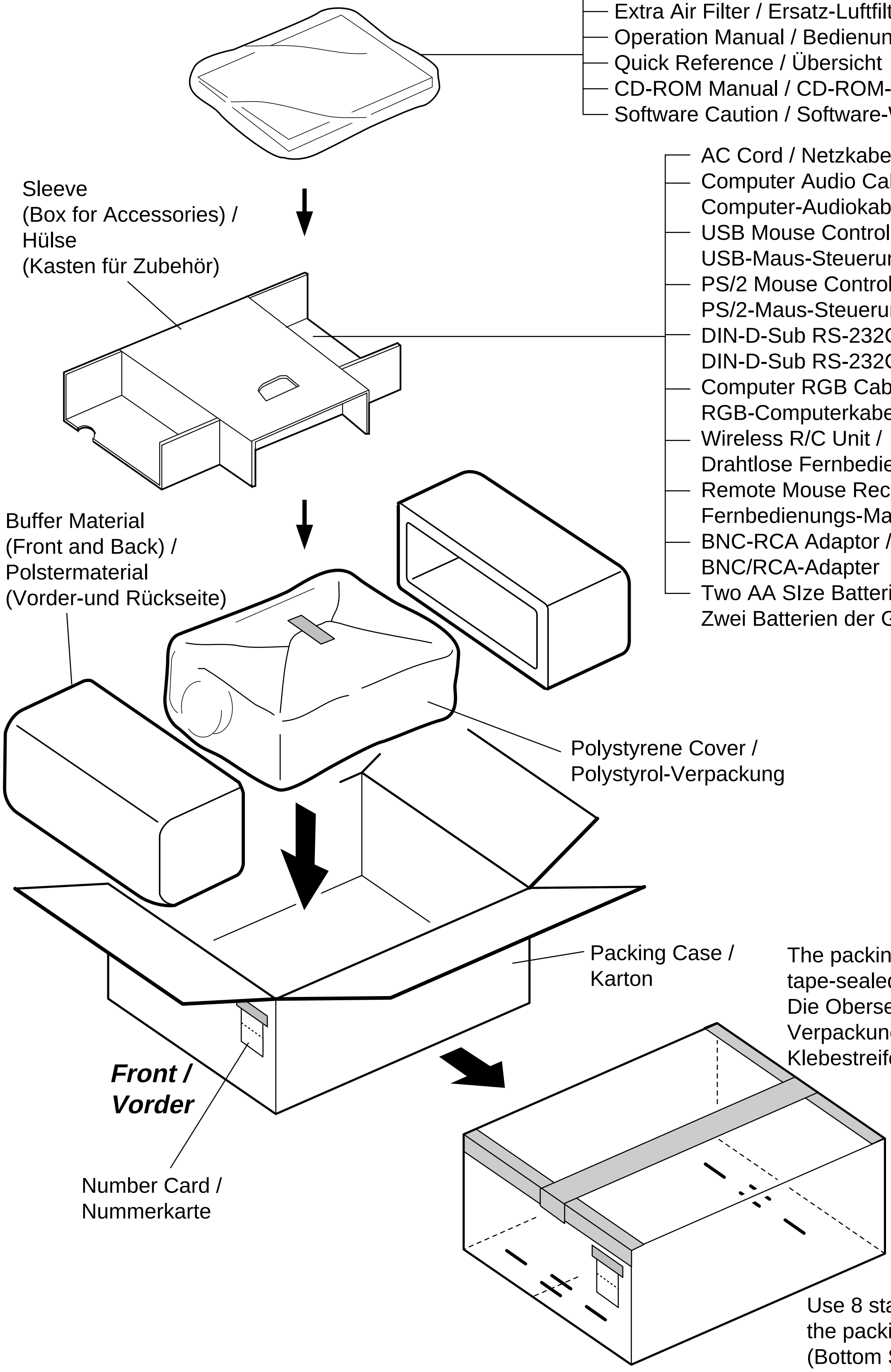
PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKC5449CEZZ	–	Packing Case	—
	SPAKP0805CEZZ	–	Polystyrene Cover	—
	SPAKX2910CEZZ	–	Buffer Material	—
	SPAKF0415CEZZ	–	Sleeve(Box for Accessories)	—
	TLABK0001TAZZ	–	Number Card	—

SERVICE JIGS
(Use for servicing)

Ref. No.	Part No.	★	Description	Code
	9DASPN-XGNV1U	J	Spanna, 3mm (Off-set Cam Adjustment)	BG
	9EQDRiVER-NV1A	J	Off-set Driver (Focus Adjustment)	CA
	9EQLNC-XGNV1U or 9EQLNC-XGNV4U	J	Hexagon Wrench, 2mm (Convergence Adjustment)	BA
	QCNW-4984CEZZ	J	Extension Cable 20-pin Signal (TN)-PC Terminal (TN)	BT
	QCNW-4985CEZZ	J	Extension Cable 28-pin Signal (CA)-Output (CA), Signal (CB)-Output (CB)	BG
	QCNW-4767CEZZ	J	Extension Cable 30-pin Signal (VS)-Video Board (VS)	BT
	QCNW-4851CEZZ	J	Extension Cable 60-pin Output (TC2)-PC I/F (TC2), Output (TC3)-PC I/F (TC3)	BX
	QCNW-4852CEZZ	J	Extension Cable 32-pin LCD Panel-Output	BH

PACKING OF THE SET / VERPACKEN DES GERÄTS



- CD-ROM / CD-ROM
- Extra Air Filter / Ersatz-Luftfilter
- Operation Manual / Bedienungsanleitung
- Quick Reference / Übersicht
- CD-ROM Manual / CD-ROM-Handbuch
- Software Caution / Software-Warnung

Sleeve (Box for Accessories) / Hülse (Kasten für Zubehör)

- AC Cord / Netzkabel
- Computer Audio Cable / Computer-Audiokabel
- USB Mouse Control Cable / USB-Maus-Steuerungskabel
- PS/2 Mouse Control Cable / PS/2-Maus-Steuerungskabel
- DIN-D-Sub RS-232C Cable / DIN-D-Sub RS-232C-Kabel
- Computer RGB Cable / RGB-Computerkabel
- Wireless R/C Unit / Drahtlose Fernbedienungseinheit
- Remote Mouse Receiver / Fernbedienungs-Mausempfänger
- BNC-RCA Adaptor / BNC/RCA-Adapter
- Two AA SIze Batteries / Zwei Batterien der Größe AA

Buffer Material (Front and Back) / Polstermaterial (Vorder-und Rückseite)

Polystyrene Cover / Polystyrol-Verpackung

Packing Case / Karton

The packing case top is tape-sealed. / Die Oberseite des Verpackungskartons wurde mut Klebestreifen verschlossen.

Front / Vorder

Number Card / Nummerkarte

Use 8 staples to fix the packing case. (Bottom Side) / Den Verpackungskarton mit8 Heftklammern (Krampen) Verschließen.(Unterseite)

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PARTS LIST

PARTS REPLACEMENT

Replacement parts which have these special safety characteristics identified in this manual: electrical components having such features are identified by "⚠" in the Replacement Parts Lists.
The use of a substitute replacement part which does not have the same safety characteristics as the factory recommended replacement parts shown in this service manual may create shock, fire or other hazards.

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following informations.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION
5. CODE
6. QUANTITY

★ MARK : SPARE PARTS-DELIVERY SECTION

LCD PANELS

NOTE: THE PARTS HERE SHOWN ARE SUPPLIED AS AN ASSEMBLY BUT NOT INDEPENDENTLY.

Ref. No.	Part No.	★	Description	Code
	RLCDP0102CEN1	J	LCD Module Unit, Red	CY
	RLCDP0103CEN1	J	LCD Module Unit, Green	CY
	RLCDP0104CEN1	J	LCD Module Unit, Blue	CY

PRINTED WIRING BOARD ASSEMBLIES *(NOT REPLACEMENT ITEM)*

Ref. No.	Part No.	★	Description	Code
	DUNTKA184DE02	–	Output Unit	—
	DUNTKA185DE02	–	Sound Out Unit	—
	DUNTKA186DE02	–	R/C Receiver Unit	—
	DUNTKA187DE02	–	Signal Unit	—
	DUNTKA188DE02	–	Terminal Unit	—
	RUNTK0674CEZZ	–	Inlet Unit	—
	RDENC0304CEZZ	–	Power Unit	—
	RDENC0305CEZZ	–	PFC Unit (Power Filter Circuit)	—
	CPCi-0047CE12	–	PC I/F Unit	—
	RDENC0302CEZZ	J	Ballast Unit (Unit Replacement Item)	CC

ERSATZTEILLISTE

AUSTAUSCH VON TEILEN

Ersatzteile, die besondere Sicherheitseigenschften haben, sind in dieser Anleitung markiert. Elektrische Komponenten mit solchen Eigenshaften sind in den Ersatzteil durch "⚠" gekenn-zeichnet.
Der Gebrauch von Ersatzteilen, die nicht deselben Sicherheitseigenschaften haben wie die vom Hersteller empfohlenen ud in der Bedienungsanleitung angegebenen, können zur Ursache von Blitzeinschlägen, Bränden und anderen Gefahren werden.

"WIE MAN ERSATSTEILE BESTELLT"

Damit Ihre Bestellung promt und korrekt ausgeführt wird, geben Sie bitte folgende Informationen.

1. MODELL NR.
2. REF. NR.
3. ERSATZTEIL NR.
4. BESCHREIBUNG
5. KODE
6. QUANTITÄT

★ MARKIERUNG : ERSATZTEILE-LIEFERUNG

DUNTKA184DE02
OUTPUT UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC301	VHiTA8184F/-1	J	TA8184F	AN
IC809	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1101	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1102	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1201	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1202	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1301	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1302	VHiCXA2112R-1	J	CXA2112R-T6	BB
IC1601	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1602	VHiNJM2060V-1	J	NJM2060V	AF
IC1603	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC1604	VHiTC4053BT-1	J	TC4053BFT	AG
IC1606	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC1610	VHiNJM2902V-1	J	NJM2902V	AD
IC1611	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC1612	VHiHCT541AF-1	J	TC74HCT541AF	AG
IC1613	RH-iX1952CEZZ	J	74F86SJ	AD
IC1615	VHi74HCT125-1	J	HD74HCT125T	AF
IC1616	VHiNJM2904V-1	J	NJM2904V	AF
IC1617	VHi74HCT125-1	J	HD74HCT125T	AF
IC1618	VHi74HCT125-1	J	HD74HCT125T	AF
IC1619	RH-iX1952CEZZ	J	74F86SJ	AD
IC1620	RH-iX1952CEZZ	J	74F86SJ	AD
IC2102	VHiLM2202M/-1	J	LM2202MX	AR
IC2103	VHiNJM2060V-1	J	NJM2060V	AF
IC2104	VHiTC4W53U/-1	J	TC4W53FU	AF
IC2202	VHiLM2202M/-1	J	LM2202MX	AR
IC2203	VHiNJM2060V-1	J	NJM2060V	AF
IC2204	VHiTC4W53U/-1	J	TC4W53FU	AF
IC2302	VHiLM2202M/-1	J	LM2202MX	AR
IC2303	VHiNJM2060V-1	J	NJM2060V	AF
IC2304	VHiTC4W53U/-1	J	TC4W53FU	AF
IC2601	RH-iX3393CEZZ	J	I.C.	AR
IC2604	VHiT7SET08U-1	J	TC7SET08FU	AE
IC2605	VHiT7SET08U-1	J	TC7SET08FU	AE
IC2610	VHiT7WH241U-1	J	TC7WH241FU	AF
IC2611	VHiT7WH241U-1	J	TC7WH241FU	AF
IC4201	VHiT7SET08U-1	J	TC7SET08FU	AE
IC4202	VHiTC4W53U/-1	J	TC4W53FU	AF
IC4203	VHiTC4W66U/-1	J	TC4W66FU	AF
IC4204	VHiNJM2060V-1	J	NJM2060V	AF
IC4206	VHiNJM2904V-1	J	NJM2904V	AF
IC5001	VHiSNHC08T/-1	J	SN74HC08PW	AG
IC5101	VHiPQ05TZ11-1	J	PQ05TZ11	AH

DUNTKA184DE02

OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
IC5102	VHiLB1831M/-1	J	LB1831M	AN
IC5201	VHiM62352GP-1	J	M62352GP	AQ
IC5202	VHiM62352GP-1	J	M62352GP	AQ
IC5251	VHiM62352GP-1	J	M62352GP	AQ
IC5301	VHiM62320FP-1	J	M62320FP	AK
IC5302	VHiM62320FP-1	J	M62320FP	AK
IC5303	VHiBR24C64F-1	J	BR24C64F-E2	AL
IC5305	VHiM62352GP-1	J	M62352GP	AQ
IC5306	VHiSNHC00T/-1	J	SN74HC00PW	AG
IC5307	VHiM62320FP-1	J	M62320FP	AK
IC5501	VHiT7SET08U-1	J	TC7SET08FU	AE
IC6801	VHiTC4053BT-1	J	TC4053BFT	AG
IC6802	VHiNJM2902V-1	J	NJM2902V	AD
IC6803	VHiAD8051AT-1	J	AD8051ART	AP
IC6804	VHiAD8051AT-1	J	AD8051ART	AP
IC6805	VHiAD8051AT-1	J	AD8051ART	AP
IC6810	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC6811	VHiT7WH241U-1	J	TC7WH241FU	AF
IC6812	VHiT7WH241U-1	J	TC7WH241FU	AF
IC7001	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7011	RH-iX2204CEZZ	J	PQ05TZ11	AG
IC7021	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7051	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7061	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7091	VHiNJ7211U2-1	J	NJU7211U20	AG
IC7111	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7201	VHiPQ05SZ51-1	J	PQ05SZ51	AG
IC7202	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7203	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7204	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7205	RH-iX2296CEZZ	J	TC7S66F	AD
IC7207	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7208	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7210	VHiTC4W66U/-1	J	TC4W66FU	AF
IC7501	VHiPQ20VZ11-1	J	PQ20VZ11	AH
IC7502	VHiPQ05TZ11-1	J	PQ05TZ11	AH
IC7503	RH-iX2204CEZZ	J	PQ12TZ11	AG
IC8312	VHiAD8183++-1	J	AD8183ARU	AW
IC8313	VHiML64203/-1	J	Ml6420CS-3	AY

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q301	VS2SC3928AR-1	J	2SC3928AR	AB
Q1101	VS2SC3928AR-1	J	2SC3928AR	AB
Q1102	VS2SA1530AR-1	J	2SA1530AR	AB
Q1103	VS2SC3928AR-1	J	2SC3928AR	AB
Q1104	VS2SA1530AR-1	J	2SA1530AR	AB
Q1105	VS2SC3928AR-1	J	2SC3928AR	AB
Q1106	VS2SA1530AR-1	J	2SA1530AR	AB
Q1107	VS2SC3928AR-1	J	2SC3928AR	AB
Q1108	VS2SA1530AR-1	J	2SA1530AR	AB
Q1109	VS2SA1530AR-1	J	2SA1530AR	AB
Q1201	VS2SC3928AR-1	J	2SC3928AR	AB
Q1202	VS2SA1530AR-1	J	2SA1530AR	AB
Q1203	VS2SC3928AR-1	J	2SC3928AR	AB
Q1204	VS2SA1530AR-1	J	2SA1530AR	AB
Q1205	VS2SC3928AR-1	J	2SC3928AR	AB
Q1206	VS2SA1530AR-1	J	2SA1530AR	AB
Q1207	VS2SC3928AR-1	J	2SC3928AR	AB
Q1208	VS2SA1530AR-1	J	2SA1530AR	AB
Q1301	VS2SC3928AR-1	J	2SC3928AR	AB
Q1302	VS2SA1530AR-1	J	2SA1530AR	AB
Q1303	VS2SC3928AR-1	J	2SC3928AR	AB
Q1304	VS2SA1530AR-1	J	2SA1530AR	AB
Q1305	VS2SC3928AR-1	J	2SC3928AR	AB
Q1306	VS2SA1530AR-1	J	2SA1530AR	AB
Q1307	VS2SC3928AR-1	J	2SC3928AR	AB
Q1308	VS2SA1530AR-1	J	2SA1530AR	AB
Q1309	VS2SA1530AR-1	J	2SA1530AR	AB
Q1601	VS2SC3928AR-1	J	2SC3928AR	AB
Q1602	VS2SA1530AR-1	J	2SA1530AR	AB
Q1605	VSDTC144EU/-1	J	DTC144EU	AB
Q1606	VSDTC144EU/-1	J	DTC144EU	AB
Q1607	VSDTC144EU/-1	J	DTC144EU	AB
Q1608	VSDTC144EU/-1	J	DTC144EU	AB
Q1609	VSDTC144EU/-1	J	DTC144EU	AB
Q1610	VSDTC144EU/-1	J	DTC144EU	AB
Q1611	VSDTC144EU/-1	J	DTC144EU	AB
Q1612	VSDTC144EU/-1	J	DTC144EU	AB
Q1613	VSDTC144EU/-1	J	DTC144EU	AB
Q1614	VSDTC144EU/-1	J	DTC144EU	AB
Q1616	VS2SC3928AR-1	J	2SC3928AR	AB
Q2101	VS2SC2735//-1	J	2SC2735	AB
Q2103	VSiMZ1A////-1	J	IMZ1A	AC
Q2201	VS2SC2735//-1	J	2SC2735	AB
Q2203	VSiMZ1A////-1	J	IMZ1A	AC
Q2301	VS2SC2735//-1	J	2SC2735	AB
Q2303	VSiMZ1A////-1	J	IMZ1A	AC
Q2422	VSDTC114EU/-1	J	DTC114EU	AB
Q2609	VSDTC144EU/-1	J	DTC144EU	AB
Q4202	VS2SC3928AR-1	J	2SC3928AR	AB
Q4205	VS2SC3928AR-1	J	2SC3928AR	AB
Q4206	VS2SC3928AR-1	J	2SC3928AR	AB
Q4207	VSDTC114EU/-1	J	DTC114EU	AB
Q4208	VSDTC114EU/-1	J	DTC114EU	AB
Q4209	VS2SA1530AR-1	J	2SA1530AR	AB
Q5001	VS2SC3928AR-1	J	2SC3928AR	AB
Q5002	VS2SC3928AR-1	J	2SC3928AR	AB
Q5003	VS2SC3928AR-1	J	2SC3928AR	AB
Q5004	VS2SC3928AR-1	J	2SC3928AR	AB
Q5005	VS2SC3928AR-1	J	2SC3928AR	AB
Q5006	VS2SC3928AR-1	J	2SC3928AR	AB
Q5007	VS2SC3928AR-1	J	2SC3928AR	AB
Q5008	VS2SC3928AR-1	J	2SC3928AR	AB
Q5009	VS2SC3928AR-1	J	2SC3928AR	AB
Q5011	VSDTC144EU/-1	J	DTC144EU	AB
Q5012	VSDTC144EU/-1	J	DTC144EU	AB
Q5301	VS2SC3928AR-1	J	2SC3928AR	AB
Q5302	VS2SC3928AR-1	J	2SC3928AR	AB
Q5304	VS2SC2735//-1	J	2SC2735	AB
Q5305	VS2SC2735//-1	J	2SC2735	AB
Q5306	VS2SC2735//-1	J	2SC2735	AB
Q5307	VS2SC2735//-1	J	2SC2735	AB
Q5308	VSDTC144EU/-1	J	DTC144EU	AB
Q6813	VS2SC3928AR-1	J	2SC3928AR	AB
Q6814	VS2SC3928AR-1	J	2SC3928AR	AB
Q6815	VS2SC3928AR-1	J	2SC3928AR	AB
Q7001	VS2SA1530AR-1	J	2SA1530AR	AB
Q7003	VSDTC144EU/-1	J	DTC144EU	AB
Q7071	VS2SB1132Q/-1	J	2SB1132Q	AC
Q7072	VS2SD1664R/-1	J	2SD1664R	AC
Q7073	VS2SA1530AR-1	J	2SA1530AR	AB
Q7074	VS2SC3928AR-1	J	2SC3928AR	AB
Q7081	VS2SD1664R/-1	J	2SD1664R	AC
Q7082	VS2SD1664R/-1	J	2SD1664R	AC
Q7091	VS2SA1530AR-1	J	2SA1530AR	AB
Q7092	VS2SD1664R/-1	J	2SD1664R	AC
Q7093	VS2SC3928AR-1	J	2SC3928AR	AB
Q7094	VS2SB1132Q/-1	J	2SB1132Q	AC
Q7201	VS2SC3928AR-1	J	2SC3928AR	AB
Q7202	VSDTC114EU/-1	J	DTC114EU	AB
Q7203	VS2SC3928AR-1	J	2SC3928AR	AB
Q7204	VS2SC3928AR-1	J	2SC3928AR	AB
Q7205	VS2SA1530AR-1	J	2SA1530AR	AB
Q7206	VS2SA1530AR-1	J	2SA1530AR	AB
Q7207	VSDTC114EU/-1	J	DTC114EU	AB
Q7208	VS2SC3928AR-1	J	2SC3928AR	AB
Q7210	VSDTC114EU/-1	J	DTC114EU	AB
Q8040	VSDTC114EU/-1	J	DTC114EU	AB
Q8041	VSDTC114EU/-1	J	DTC114EU	AB
Q8042	VSDTC114EU/-1	J	DTC114EU	AB
Q8043	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q8044	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q8045	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q8601	VSiMZ1A////-1	J	IMZ1A	AC
Q8602	VSiMZ1A////-1	J	IMZ1A	AC
Q8603	VSiMZ1A////-1	J	IMZ1A	AC

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OUTPUT UNIT (Continued)

DIODES

Ref. No.	Part No.	★	Description	Code
D802	VHDDAN202K/-1	J	Diode	AB
D1601	VHDDAN202K/-1	J	Diode	AB
D1602	VHDDAN202K/-1	J	Diode	AB
D2625	VHDMA3120WA-1	J	Diode	AK
D5001	VHDRB425D//-1	J	Diode	AD
D5002	VHDRB425D//-1	J	Diode	AD
D5003	VHDRB425D//-1	J	Diode	AD
D5004	VHDRB425D//-1	J	Diode	AD
D5005	VHDMA153///-1	J	Diode	AB
D5006	VHDMA153///-1	J	Diode	AB
D5007	VHDMA153///-1	J	Diode	AB
D5008	VHDMA153///-1	J	Diode	AB
D5009	VHDRB425D//-1	J	Diode	AD
D5010	VHDRB425D//-1	J	Diode	AD
D5011	VHDRB425D//-1	J	Diode	AD
D5012	VHDRB425D//-1	J	Diode	AD
D5013	VHDRB425D//-1	J	Diode	AD
D5014	VHDMA153///-1	J	Diode	AB
D5015	VHDMA153///-1	J	Diode	AB
D5016	VHDMA153///-1	J	Diode	AB
D5017	VHDMA153///-1	J	Diode	AB
D5018	VHDMA153///-1	J	Diode	AB
D5101	VHDDAN202K/-1	J	Diode	AB
D7001	VHDDAN202K/-1	J	Diode	AB
D7011	VHDDAN202K/-1	J	Diode	AB
D7021	VHDDAN202K/-1	J	Diode	AB
D7051	VHDDAN202K/-1	J	Diode	AB
D7061	VHDDAN202K/-1	J	Diode	AB
D7071	RH-EX0519CEZZ	J	Zener Diode	AB
D7072	VHDDAN202K/-1	J	Diode	AB
D7091	VHDDAN202K/-1	J	Diode	AB
D7092	RH-EX0519CEZZ	J	Zener Diode	AB
D7111	VHDDAN202K/-1	J	Diode	AB
D7112	RH-EX0858CEZZ	J	Zener Diode	AC
D7201	VHDDAN202K/-1	J	Diode	AB
D7202	VHDDAN202K/-1	J	Diode	AB
D7203	VHDDAN202K/-1	J	Diode	AB
D7204	VHDDAN202K/-1	J	Diode	AB
D7205	RH-EX0228CEZZ	J	Zener Diode	AB
D7206	VHDDAN202K/-1	J	Diode	AB
D7207	VHDDAN202K/-1	J	Diode	AB
D7208	VHDDAN202K/-1	J	Diode	AB
D7209	VHDDAN202K/-1	J	Diode	AB
D7210	VHDDAN202K/-1	J	Diode	AB
D7501	VHDDAN202K/-1	J	Diode	AB
D7502	VHDDAN202K/-1	J	Diode	AB
D7503	VHDDAN202K/-1	J	Diode	AB

PACKAGED CIRCUIT

Ref. No.	Part No.	★	Description	Code
X2601	RCRSB0286CEZZ	J	Crystal	AH

COILS

Ref. No.	Part No.	★	Description	Code
L1101	VP-1M100J1R6N	J	Peaking 10μH	AC
L1102	VP-1M100J1R6N	J	Peaking 10μH	AC
L1201	VP-1M100J1R6N	J	Peaking 10μH	AC
L1202	VP-1M100J1R6N	J	Peaking 10μH	AC
L1301	VP-1M100J1R6N	J	Peaking 10μH	AC
L1302	VP-1M100J1R6N	J	Peaking 10μH	AC
L2101	VP-1M100J1R6N	J	Peaking 10μH	AC
L2102	VP-1M100J1R6N	J	Peaking 10μH	AC
L2201	VP-1M100J1R6N	J	Peaking 10μH	AC
L2202	VP-1M100J1R6N	J	Peaking 10μH	AC
L2301	VP-1M100J1R6N	J	Peaking 10μH	AC
L2302	VP-1M100J1R6N	J	Peaking 10μH	AC
L2401	VP-1M220J2R9N	J	Peaking 22μH	AC

CONTROL

Ref. No.	Part No.	★	Description	Code
R4215	RVR-M7904TAZZ	J	33k (B)	AC

CAPACITORS

[MLFT ··· Multi Layer Film Tip]

Ref. No.	Part No.	★	Description			Code
C301	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C302	VCKYCY1HB102K	J	1000p	50V	Ceramic	AA
C303	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C304	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C305	VCFRED1HM822J	J	8200p	50V	MLFT	AD
C306	VCFRED1HM822J	J	8200p	50V	MLFT	AD
C307	VCFYEC1CM334J	J	0.33	16V	MLFT	AE
C308	VCFYEC1CM334J	J	0.33	16V	MLFT	AE
C309	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C310	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C311	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C312	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C313	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C314	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C315	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C316	VCKYCY1CF154Z	J	0.15	16V	Ceramic	AB
C327	VCKYTV1CF105Z	J	1.0	16V	Ceramic	AB
C882	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C1101	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1102	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1103	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1104	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1105	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1106	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1107	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1108	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1109	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1110	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1111	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1112	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1113	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1114	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1115	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1117	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1118	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1119	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1120	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1123	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1124	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1128	VCCCCY1HH7R0D	J	7.0p	50V	Ceramic	AA
C1129	VCCCCY1HH6R0D	J	6.0p	50V	Ceramic	AA
C1201	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1202	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1203	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1204	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1206	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1207	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1208	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1209	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1210	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1211	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1212	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1213	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1214	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1215	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1217	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1218	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1219	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1220	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1223	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1224	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1225	VCCCCY1HH6R0D	J	6.0p	50V	Ceramic	AA
C1228	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C1230	VCCCPA1HH6R0D	J	6.0p	50V	Ceramic	AA
C1301	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1302	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1303	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1304	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1305	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1306	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1307	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1308	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1309	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA

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Ref. No.	Part No.	★	Description			Code
C1310	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1311	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1312	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1313	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1314	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1315	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1317	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1318	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1319	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1320	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1323	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1324	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1328	VCCCCY1HH4R0C	J	4.0p	50V	Ceramic	AA
C1601	VCEAPV1VW226M	J	22	35V	Electrolytic	AD
C1602	VCEAPV1EW226M	J	22	25V	Electrolytic	AD
C1603	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1604	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1605	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1606	VCEAPV1VW226M	J	22	35V	Electrolytic	AD
C1607	VCEAPV1EW226M	J	22	25V	Electrolytic	AD
C1608	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1610	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1613	VCCCCY1HH471J	J	470p	50V	Ceramic	AA
C1618	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1619	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1620	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1621	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1622	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1623	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1624	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1625	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1626	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1627	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1628	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1629	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1630	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1631	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1632	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1633	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1634	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1635	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1636	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1637	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1638	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1639	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1640	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C1641	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C1701	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C1702	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C1703	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C1704	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2101	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2109	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2110	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2111	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C2112	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2113	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C2114	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2115	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2116	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2117	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2118	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2119	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C2120	VCEAPV1CW476M	J	47	16V	Electrolytic	AD
C2121	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2122	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2123	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2125	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2126	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C2130	VCCCCY1HH4R0C	J	4.0p	50V	Ceramic	AA
C2131	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C2132	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C2133	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2134	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2135	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2136	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2137	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2201	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2209	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2210	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2211	VCEAPV1CW106M	J	10	16V	Electrolytic	AD
C2212	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2213	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2214	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2215	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2216	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2217	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2218	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2219	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C2220	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2225	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2226	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C2230	VCCCCY1HH5R0C	J	5.0p	50V	Ceramic	AA
C2231	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C2232	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C2233	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2234	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2235	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2236	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2237	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2301	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2309	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2310	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2311	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2312	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2313	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2314	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2315	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2316	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2317	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2318	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2319	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C2320	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2325	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2326	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C2330	VCCCCY1HH5R0C	J	5.0p	50V	Ceramic	AA
C2331	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C2332	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C2333	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2334	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2335	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2336	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2337	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2408	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C2419	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C2604	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C2605	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2607	VCFYEC1CM104J	J	0.1	16V	Mylar	AD
C2609	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C2610	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C2618	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2619	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C2620	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2621	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C2622	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C2623	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C4127	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4128	VCCCCY1HH8R0D	J	8.0p	50V	Ceramic	AA
C4201	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4203	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4204	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4210	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4213	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4214	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C4215	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4216	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
C4217	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4218	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C4221	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C4222	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C4227	VCCCCY1HH390J	J	39p 50V Ceramic	AA
C4228	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C4229	VCCCCY1HH330J	J	33p 50V Ceramic	AA
C4230	VCCCCY1HH100D	J	10p 50V Ceramic	AA
C5001	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C5002	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C5003	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5004	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5005	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C5101	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C5102	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C5103	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C5104	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C5105	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C5106	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C5107	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C5108	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C5201	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5202	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C5203	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5204	RC-EZ1138CEZZ	J	10 6.3V Electrolytic	AF
C5205	RC-EZ1138CEZZ	J	10 6.3V Electrolytic	AF
C5220	VCEAPV1CW106M	J	10 16V Electrolytic	AD
C5251	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5301	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5302	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5303	VCEAPV0JW476M	J	47 6.3V Electrolytic	AD
C5304	VCKYTV1CF105Z	J	1.0 16V Ceramic	AB
C5305	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5306	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5308	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C5310	VCKYCY1HB102K	J	1000p 50V Ceramic	AA
C5311	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C5312	VCCCCY1HH101J	J	100p 50V Ceramic	AA
C5313	VCCCCY1EH102J	J	1000p 25V Ceramic	AB
C5314	VCCCCY1HH221J	J	220p 50V Ceramic	AA
C5315	VCEAPV0JW476M	J	47 6.3V Electrolytic	AD
C5316	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C5567	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C5572	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5573	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5574	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5575	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C5590	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C6801	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6802	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6803	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6811	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6841	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6842	VCCCCY1EH102J	J	1000p 25V Ceramic	AB
C6843	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6844	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6845	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6846	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C6847	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C6848	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6849	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6850	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6851	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C6852	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C7001	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7002	VCEAPV0JW107M	J	100 6.3V Electrolytic	AD
C7003	VCEAPK0JN227M	J	220 6.3V Electrolytic	AD
C7004	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7011	VCEAPV1EW336M	J	33 25V Electrolytic	AD
C7012	VCEAPV1CW476M	J	47 16V Electrolytic	AD
C7021	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7022	VCEAPV0JW107M	J	100 6.3V Electrolytic	AD
C7051	VCEAPV1CW476M	J	47 16V Electrolytic	AD
C7052	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7053	VCEAPV0JW107M	J	100 6.3V Electrolytic	AD
C7054	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7061	VCEAPV1CW476M	J	47 16V Electrolytic	AD
C7062	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7063	VCEAPV0JW107M	J	100 6.3V Electrolytic	AD
C7064	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7071	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C7072	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C7073	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C7091	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C7092	VCEAPV1CW106M	J	10 16V Electrolytic	AD
C7093	VCEAPV1CW106M	J	10 16V Electrolytic	AD
C7094	VCEAPV1CW476M	J	47 16V Electrolytic	AD
C7095	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7096	VCEAPV1CW226M	J	22 16V Electrolytic	AD
C7097	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7111	VCEAPV0JW107M	J	100 6.3V Electrolytic	AD
C7112	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7114	VCEAPV1CW106M	J	10 16V Electrolytic	AD
C7115	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7201	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C7202	VCEAPV0JW107M	J	100 6.3V Electrolytic	AD
C7203	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7204	VCEAPF1EW336M	J	33 25V Electrolytic	AB
C7205	VCEAPV1CW476M	J	47 16V Electrolytic	AD
C7206	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7207	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7208	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C7209	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C7210	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7211	VCEAPF1EW336M	J	33 25V Electrolytic	AB
C7212	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C7213	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7214	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C7215	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C7216	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C7217	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7218	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7219	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C7220	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C7221	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C7224	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7225	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7227	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7228	VCEAPF1EW336M	J	33 25V Electrolytic	AB
C7229	VCEAPV1CW476M	J	47 16V Electrolytic	AD
C7230	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7231	VCEAPV1CW336M	J	33 16V Electrolytic	AD
C7232	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC
C7233	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C7234	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C7240	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C7501	VCEAPV1EW336M	J	33 25V Electrolytic	AD
C7502	VCEAPV1CW226M	J	22 16V Electrolytic	AD
C7503	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C7504	VCEAPV1EW336M	J	33 25V Electrolytic	AD
C7505	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C7506	VCEAPV0JW107M	J	100 6.3V Electrolytic	AD
C8543	VCCCCY1HH390J	J	39p 50V Ceramic	AA
C8545	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C8546	VCEAPV1CW226M	J	22 16V Electrolytic	AD
C8548	VCCCCY1HH390J	J	39p 50V Ceramic	AA
C8550	VCEAPV1CW106M	J	10 16V Electrolytic	AD
C8551	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C8552	VCCCCY1HH390J	J	39p 50V Ceramic	AA
C8553	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C8554	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C8555	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C8556	RC-KZ0416CEZZ	J	10 25V Ceramic	AE
C8557	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C8558	VCEAPV1CW106M	J	10 16V Electrolytic	AD

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OUTPUT UNIT (Continued)

RESISTORS

Ref. No.	Part No.	★	Description	Code
R301	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R302	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R303	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R304	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R305	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R306	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R307	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R308	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R309	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R310	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R313	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R314	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R315	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R316	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R915	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R916	VRN-CY1JF102D	J	1.0k 1/16W Metal Film	AB
R917	VRN-CY1JF562D	J	5.6k 1/16W Metal Film	AB
R918	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R919	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R1050	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1071	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1095	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1101	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1102	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1103	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R1104	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1106	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1107	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R1108	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1109	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1110	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1115	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1116	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1117	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1118	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1120	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1122	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1125	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1126	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1127	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1128	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1129	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1130	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1131	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1132	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA
R1133	VRS-CY1JF680J	J	68 1/16W Metal Oxide	AA
R1134	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1135	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1136	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1137	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1138	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1139	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1140	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1143	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1144	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1145	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1146	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1147	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1148	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1149	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R1150	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1152	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1153	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R1156	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1158	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1161	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1162	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1164	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1165	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1166	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1167	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1168	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1169	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1171	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1172	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1173	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1174	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1175	VRS-CY1JF3R3J	J	3.3 1/16W Metal Oxide	AA
R1176	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1178	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1179	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1180	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1181	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1182	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1184	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1185	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1186	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1187	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1188	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1189	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1190	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1191	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1192	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R1193	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1195	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R1196	VRS-TV1JD270J	J	27 1/16W Metal Oxide	AA
R1197	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R1198	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R1199	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R1201	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1202	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1203	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R1204	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1205	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1206	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1207	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R1208	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1209	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1210	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1215	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1216	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1217	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1218	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1220	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1222	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1225	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1226	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1227	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1228	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1229	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1230	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1231	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1234	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1235	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1236	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1237	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1238	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1239	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1240	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1243	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1244	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1245	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1246	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1247	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1248	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1249	VRS-CY1JF273F	J	27k 1/16W Metal Oxide	AA
R1250	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R1252	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1253	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R1256	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1258	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R1261	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1262	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R1264	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R1265	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R1266	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R1267	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1268	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1269	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1271	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R1272	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R1273	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1274	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1275	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1276	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1278	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1279	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1280	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1281	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1282	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1284	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1285	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1286	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1287	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1288	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1289	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1290	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1291	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1292	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1293	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1295	VRS-CY1JF333J		J 33k 1/16W Metal Oxide	AA
R1298	VRS-CY1JF561J		J 560 1/16W Metal Oxide	AA
R1299	VRS-CY1JF391J		J 390 1/16W Metal Oxide	AA
R1301	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1302	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1303	VRS-CY1JF273F		J 27k 1/16W Metal Oxide	AA
R1304	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1305	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1306	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R1307	VRS-CY1JF470J		J 47 1/16W Metal Oxide	AA
R1308	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1309	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R1310	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1315	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1316	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1317	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1318	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1320	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1322	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1325	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1326	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1327	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1328	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1329	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1330	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1331	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R1332	VRS-CY1JF560J		J 56 1/16W Metal Oxide	AA
R1333	VRS-CY1JF560J		J 56 1/16W Metal Oxide	AA
R1334	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1335	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1336	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1337	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1338	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1339	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1340	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1343	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1344	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1345	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1346	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1347	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1348	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1349	VRS-CY1JF273F		J 27k 1/16W Metal Oxide	AA
R1350	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1352	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R1353	VRS-CY1JF470J		J 47 1/16W Metal Oxide	AA
R1356	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1358	VRS-CY1JF102J		J 1.0k 1/16W Metal Oxide	AA
R1361	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1362	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1364	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R1365	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R1366	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R1367	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1368	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1369	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1371	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R1372	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R1373	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1374	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1375	VRS-CY1JF3R3J		J 3.3 1/16W Metal Oxide	AA
R1376	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1378	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1379	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1380	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1384	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1385	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1386	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1387	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1388	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1389	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1390	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1391	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1392	VRS-CY1JF100J		J 10 1/16W Metal Oxide	AA
R1393	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1395	VRS-CY1JF272J		J 2.7k 1/16W Metal Oxide	AA
R1396	VRS-TV1JD270J		J 27 1/16W Metal Oxide	AA
R1397	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R1398	VRS-CY1JF561J		J 560 1/16W Metal Oxide	AA
R1399	VRS-CY1JF391J		J 390 1/16W Metal Oxide	AA
R1601	VRS-TX2HF2R2J		J 2.2 1/2W Metal Oxide	AB
R1602	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R1603	VRS-CY1JF123F		J 12k 1/16W Metal Oxide	AA
R1604	VRS-CY1JF102F		J 1.0k 1/16W Metal Oxide	AA
R1605	VRS-CY1JF510F		J 51 1/16W Metal Oxide	AA
R1606	VRS-CY1JF202J		J 2.0k 1/16W Metal Oxide	AA
R1607	VRS-CY1JF2R2J		J 2.2 1/16W Metal Oxide	AA
R1608	VRS-CY1JF392J		J 3.9k 1/16W Metal Oxide	AA
R1609	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R1610	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R1611	VRS-CY1JF302J		J 3.0k 1/16W Metal Oxide	AA
R1612	VRS-CY1JF182J		J 1.8k 1/16W Metal Oxide	AA
R1613	VRS-CY1JF332J		J 3.3k 1/16W Metal Oxide	AA
R1614	VRS-CY1JF2R2J		J 2.2 1/16W Metal Oxide	AA
R1615	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R1616	VRS-CY1JF123F		J 12k 1/16W Metal Oxide	AA
R1617	VRS-CY1JF102F		J 1.0k 1/16W Metal Oxide	AA
R1618	VRS-CY1JF221J		J 220 1/16W Metal Oxide	AA
R1619	VRS-TV1JD4R7J		J 4.7 1/16W Metal Oxide	AA
R1620	VRS-CY1JF331J		J 330 1/16W Metal Oxide	AA
R1621	VRS-CY1JF271J		J 270 1/16W Metal Oxide	AA
R1622	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1623	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1624	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1625	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1628	VRS-CY1JF682J		J 6.8k 1/16W Metal Oxide	AA
R1629	VRS-CY1JF562J		J 5.6k 1/16W Metal Oxide	AA
R1631	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1632	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1633	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1634	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1635	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1636	VRS-CY1JF000J		J 0 1/16W Metal Oxide	AA
R1637	VRS-CY1JF103J		J 10k 1/16W Metal Oxide	AA
R1639	VRS-CY1JF222J		J 2.2k 1/16W Metal Oxide	AA
R1647	VRS-CY1JF101J		J 100 1/16W Metal Oxide	AA
R1652	VRS-CY1JF153J		J 15k 1/16W Metal Oxide	AA
R1653	VRS-CY1JF153J		J 15k 1/16W Metal Oxide	AA
R1654	VRS-CY1JF153J		J 15k 1/16W Metal Oxide	AA
R1655	VRS-CY1JF562J		J 5.6k 1/16W Metal Oxide	AA
R1656	VRS-CY1JF562J		J 5.6k 1/16W Metal Oxide	AA
R1657	VRS-CY1JF682J		J 6.8k 1/16W Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
R1659	VRS-CY1JF203J	J	20k	1/16W	Metal Oxide	AA
R1660	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R1661	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1666	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1669	VRS-CY1JF203J	J	20k	1/16W	Metal Oxide	AA
R1670	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1673	VRS-CY1JF203J	J	20k	1/16W	Metal Oxide	AA
R1676	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1677	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1678	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1679	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1680	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1681	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R1682	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R1683	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R1684	VRS-CY1JF472J	J	4.7k	1/16W	Metal Oxide	AA
R1685	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R1690	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1691	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1692	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1693	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1694	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R1695	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R1696	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R1697	VRS-CY1JF122J	J	1.2k	1/16W	Metal Oxide	AA
R1698	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R1699	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R1701	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R1711	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R1712	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R1713	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R1714	VRS-CY1JF203F	J	20k	1/16W	Metal Oxide	AA
R1715	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R1716	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2107	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2108	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2109	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2110	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2111	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R2112	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2113	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2114	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2116	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R2120	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R2124	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2131	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2132	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2133	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R2136	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2137	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2138	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2139	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2140	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2141	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2142	VRS-CY1JF5R6J	J	5.6	1/16W	Metal Oxide	AA
R2143	VRS-CY1JF5R6J	J	5.6	1/16W	Metal Oxide	AA
R2144	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R2147	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R2148	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2149	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2150	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2207	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2208	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2209	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2210	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2211	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R2212	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2213	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2214	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2216	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R2220	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R2222	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2224	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2231	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2232	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2233	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R2236	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2237	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2238	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2239	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2240	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2241	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2242	VRS-CY1JF5R6J	J	5.6	1/16W	Metal Oxide	AA
R2243	VRS-CY1JF5R6J	J	5.6	1/16W	Metal Oxide	AA
R2244	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R2247	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R2248	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2249	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2250	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2307	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2308	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2309	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2310	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2311	VRS-CY1JF391J	J	390	1/16W	Metal Oxide	AA
R2312	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2313	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2314	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2316	VRS-CY1JF470J	J	47	1/16W	Metal Oxide	AA
R2320	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R2324	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2331	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2332	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2333	VRS-CY1JF223J	J	22k	1/16W	Metal Oxide	AA
R2336	VRS-CY1JF471J	J	470	1/16W	Metal Oxide	AA
R2337	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2338	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2339	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2340	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2341	VRS-CY1JF103F	J	10k	1/16W	Metal Oxide	AA
R2342	VRS-CY1JF5R6J	J	5.6	1/16W	Metal Oxide	AA
R2343	VRS-CY1JF5R6J	J	5.6	1/16W	Metal Oxide	AA
R2344	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R2347	VRS-CY1JF272F	J	2.7k	1/16W	Metal Oxide	AA
R2348	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2349	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2350	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2449	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2481	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2630	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2633	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2634	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2635	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2636	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R2637	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2638	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R2641	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2642	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2643	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2644	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R2645	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R2646	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R2647	VRS-CY1JF104J	J	100k	1/16W	Metal Oxide	AA
R2648	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R2652	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2654	VRS-CY1JF100J	J	10	1/16W	Metal Oxide	AA
R2656	VRS-CB1JF104J	J	100k	1/16W	Metal Oxide	AA
R2657	VRS-CY1JF000J	J	0	1/16W	Metal Oxide	AA
R2658	VRS-CY1JF222J	J	2.2k	1/16W	Metal Oxide	AA
R2659	VRS-CY1JF332J	J	3.3k	1/16W	Metal Oxide	AA
R2660	VRS-CB1JF104J	J	100k	1/16W	Metal Oxide	AA
R2661	VRS-CB1JF104J	J	100k	1/16W	Metal Oxide	AA
R2662	VRS-CB1JF100J	J	10	1/16W	Metal Oxide	AA
R2663	VRS-CB1JF100J	J	10	1/16W	Metal Oxide	AA
R2667	VRS-CB1JF100J	J	10	1/16W	Metal Oxide	AA
R2669	VRS-CY1JF103J	J	10k	1/16W	Metal Oxide	AA
R2671	VRS-CB1JF100J	J	10	1/16W	Metal Oxide	AA

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Ref. No.	Part No.	★	Description	Code
R2681	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2695	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2696	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2697	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2698	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2713	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R2716	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R2720	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R2721	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2722	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R2723	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2724	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2725	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R2726	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4210	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4211	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4212	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4213	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R4214	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4217	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4218	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R4219	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4220	VRS-TV1JD151J	J	150 1/16W Metal Oxide	AA
R4223	VRS-CY1JF151J	J	150 1/16W Metal Oxide	AA
R4224	VRS-CY1JF222F	J	2.2k 1/16W Metal Oxide	AA
R4226	VRS-CY1JF133F	J	13k 1/16W Metal Oxide	AA
R4227	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R4228	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R4231	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4233	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4234	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4238	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5001	VRS-TW2ED000J	J	0 1/4W Metal Oxide	AB
R5002	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R5006	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R5010	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5011	VRS-TW2ED470J	J	47 1/4W Metal Oxide	AA
R5012	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R5013	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R5014	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R5015	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5016	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5017	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5019	VRS-TW2ED221J	J	220 1/4W Metal Oxide	AA
R5020	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5021	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5022	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5023	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5024	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5025	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5026	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5027	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5028	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5029	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5030	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5031	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5032	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5034	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5035	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5036	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5037	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5038	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5039	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5045	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R5046	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R5050	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5051	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5102	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5103	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5104	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5105	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5106	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5107	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5108	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5109	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5201	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5202	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5203	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5204	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5205	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5206	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5207	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5208	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R5209	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R5210	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5211	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R5212	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R5213	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5214	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R5215	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R5221	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R5251	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5252	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5253	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5301	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5302	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5303	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5304	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5305	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5306	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5307	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5308	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5309	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5310	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5311	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5313	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5314	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5315	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5317	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5318	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5319	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5320	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5321	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5322	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5323	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5324	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5325	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5326	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5328	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5330	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5335	VRS-CA1JF101J	J	100 1/16W Metal Oxide	AA
R5336	VRS-TV1JD471J	J	470 1/16W Metal Oxide	AA
R5337	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5338	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5341	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5342	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5343	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5344	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5345	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5346	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5347	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5348	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5349	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5350	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5351	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5352	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5353	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5354	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5355	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5356	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5357	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5358	VRN-CY1JF472D	J	4.7k 1/16W Metal Film	AA
R5360	VRN-CY1JF272D	J	2.7k 1/16W Metal Film	AB
R5361	VRN-CY1JF273D	J	27k 1/16W Metal Film	AB
R5362	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5363	VRN-CY1JF272D	J	2.7k 1/16W Metal Film	AB

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R5364	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5365	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5366	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5367	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5368	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R5369	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5370	VRS-CY1JF121J	J	120 1/16W Metal Oxide	AA
R5371	VRS-TV1JD121J	J	120 1/16W Metal Oxide	AA
R5372	VRS-TV1JD121J	J	120 1/16W Metal Oxide	AA
R5373	VRS-CY1JF121J	J	120 1/16W Metal Oxide	AA
R5374	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5375	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5377	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5378	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5385	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5392	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5393	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5395	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5397	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R5398	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5410	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5411	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R5412	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5501	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R5502	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5503	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5504	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5505	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5506	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5507	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5509	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5510	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5511	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5524	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R5525	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R5526	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R5527	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R6802	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6804	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6806	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6870	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R6871	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R6872	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R6873	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R6874	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R6875	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R6876	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R6877	VRS-CY1JF470J	J	47 1/16W Metal Oxide	AA
R6878	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R6879	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R6880	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R6883	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R6884	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R6885	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R6886	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R6887	VRS-CY1JF121J	J	120 1/16W Metal Oxide	AA
R6888	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R6889	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6890	VRS-CY1JF121J	J	120 1/16W Metal Oxide	AA
R6891	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R6892	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6893	VRS-CY1JF121J	J	120 1/16W Metal Oxide	AA
R6894	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R6895	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6896	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R6897	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R6898	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R6899	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7001	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7003	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R7004	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7006	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7008	VRS-TX2HF1R0J	J	1.0 1/2W Metal Oxide	AA
R7009	VRS-TX2HF1R0J	J	1.0 1/2W Metal Oxide	AA
R7011	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R7013	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7021	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7051	VRS-TX2HF1R0J	J	1.0 1/2W Metal Oxide	AA
R7052	VRS-TX2HF1R0J	J	1.0 1/2W Metal Oxide	AA
R7053	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7061	VRS-TX2HF1R0J	J	1.0 1/2W Metal Oxide	AA
R7062	VRS-TX2HF1R0J	J	1.0 1/2W Metal Oxide	AA
R7063	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7071	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R7072	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7073	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7074	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7075	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7076	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7077	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7079	VRS-CR3AD4R7J	J	4.7 1W Metal Oxide	AC
R7080	VRS-CR3AD4R7J	J	4.7 1W Metal Oxide	AC
R7081	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R7082	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R7083	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R7085	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R7086	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R7087	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R7091	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7092	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7093	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7094	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7095	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7096	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7097	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R7098	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R7101	VRS-TQ2BD000J	J	0 1/8W Metal Oxide	AA
R7102	VRS-TQ2BD000J	J	0 1/8W Metal Oxide	AA
R7111	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7112	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R7113	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7114	VRS-CY1JF472F	J	4.7k 1/16W Metal Oxide	AA
R7115	VRS-TX2HF3R9J	J	3.9 1/2W Metal Oxide	AB
R7116	VRS-TX2HF3R9J	J	3.9 1/2W Metal Oxide	AB
R7201	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7202	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R7203	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R7204	VRS-CR3AD2R2J	J	2.2 1W Metal Oxide	AC
R7205	VRS-CR3AD2R2J	J	2.2 1W Metal Oxide	AC
R7206	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7207	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7208	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7209	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7210	VRS-CB1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7211	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7212	VRS-CY1JF822F	J	8.2k 1/16W Metal Oxide	AA
R7213	VRS-CY1JF683F	J	68k 1/16W Metal Oxide	AA
R7214	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R7215	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R7216	VRS-CY1JF153F	J	15k 1/16W Metal Oxide	AA
R7217	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R7218	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R7219	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R7220	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7221	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7222	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R7223	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R7224	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7225	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7226	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R7227	VRS-CY1JF563F	J	56k 1/16W Metal Oxide	AA
R7228	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R7229	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R7230	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7231	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R7233	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA

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OUTPUT UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R7234	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA
R7235	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R7236	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R7237	VRS-CY1JF683F	J	68k 1/16W Metal Oxide	AA
R7238	VRS-CY1JF122F	J	1.2k 1/16W Metal Oxide	AA
R7239	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R7241	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R7243	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7244	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7249	VRS-CY1JF473F	J	47k 1/16W Metal Oxide	AA
R7250	VRS-CY1JF184J	J	180k 1/16W Metal Oxide	AA
R7251	VRS-CY1JF272F	J	2.7k 1/16W Metal Oxide	AA
R7252	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7253	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R7254	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R7255	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R7256	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7257	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7259	VRS-TX2HF3R9J	J	3.9 1/2W Metal Oxide	AB
R7261	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7262	VRS-CY1JF103F	J	10k 1/16W Metal Oxide	AA
R7263	VRS-CY1JF393F	J	39k 1/16W Metal Oxide	AA
R7264	VRS-CY1JF122F	J	1.2k 1/16W Metal Oxide	AA
R7268	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R7269	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7270	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7271	VRS-CY1JF333F	J	33k 1/16W Metal Oxide	AA
R7272	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7273	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R7280	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R7281	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7282	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7283	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7284	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R7287	VRS-VV3AB120J	J	12 1W Metal Oxide	AA
R7288	VRS-VV3AB120J	J	12 1W Metal Oxide	AA
R7501	VRS-TW2ED4R7J	J	4.7 1/4W Metal Oxide	AA
R7502	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7503	VRS-CY1JF622J	J	6.2k 1/16W Metal Oxide	AA
R7504	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R7506	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R7507	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R7508	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R7509	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R8527	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R8539	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R8557	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R8601	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R8603	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R8605	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R8611	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R8612	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R8636	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R8711	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R8712	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R8713	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R8720	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R8722	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R8723	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R8725	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R8727	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R8728	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R8729	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R8730	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R8733	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R8734	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R8735	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R8736	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R8745	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R8934	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA

SWITCHES

Ref. No.	Part No.	★	Description	Code
S4201	QSW-S0198CEZZ	J	Slide Switch	AF
SW2601	QSW-K0065GEZZ	J	Key Switch	AC

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
F1401	QFS-L8012CEZZ	J	Fuse 0.8A	AF
F1402	QFS-L8012CEZZ	J	Fuse 0.8A	AF
FB1101	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1102	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1104	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1105	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1106	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1107	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1201	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1202	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1204	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1205	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1206	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1207	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1301	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1302	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1304	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1305	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1306	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB1307	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB2601	RBLN-0030TAZZ	J	Ferrite Bead	AB
FB2602	RBLN-0030TAZZ	J	Ferrite Bead	AB
FB5001	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5301	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB5302	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB5502	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB7201	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7202	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7203	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7204	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7205	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7206	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7207	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB7208	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7209	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7210	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7211	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7212	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7213	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7214	RBLN-0006TAZZ	J	Ferrite Bead	AB
FB7215	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB7216	RBLN-0006TAZZ	J	Ferrite Bead	AB
P301	QPLGN0764TAZZ	J	Plug, 7-pin (SO)	AD
P801	QPLGZ2035CEZZ	J	Plug, 20-pin (SA)	AH
P802	QPLGZ2035CEZZ	J	Plug, 20-pin (SB)	AH
P3001	QPLGZ2026CEZZ	J	Plug, 20-pin (TO)	AE
P5101	QPLGN0464TAZZ	J	Plug, 4-pin (AZ)	AC
P5301	QPLGN0763TAZZ	J	Plug, 7-pin (TP)	AD
P5302	QPLGN0174FJZZ	J	Plug, 2-pin (F)	AC
P5552	QPLGN0364TAZZ	J	Plug, 3-pin (RA)	AC
P7201	QPLGN0174FJZZ	J	Plug, 2-pin (Q)	AC
P7202	QPLGN0264TAZZ	J	Plug, 2-pin (L)	AC
P7203	QPLGN0176FJZZ	J	Plug, 4-pin (FA)	AD
P7204	QPLGN0175FJZZ	J	Plug, 3-pin (FB)	AD
P7205	QPLGN0175FJZZ	J	Plug, 3-pin (FC)	AD
P7206	QPLGN0394FJZZ	J	Plug, 22-pin (EA)	AD
P7207	QPLGN0364TAZZ	J	Plug, 3-pin (FD)	AC
P7208	QPLGN0363TAZZ	J	Plug, 3-pin (D)	AC
P7209	QPLGN0175FJZZ	J	Plug, 3-pin (FE)	AD
SC1101	QSOCN3271TAZZ	J	Socket, 32-pin (RP)	AE
SC1201	QSOCN3271TAZZ	J	Socket, 32-pin (GP)	AE
SC1301	QSOCN3271TAZZ	J	Socket, 32-pin (BP)	AE
SC5001	QSOCN1897REZZ	J	Socket, 36-pin (KY)	AE
SC8404	QCNCW6028CEZZ	J	Socket, 60-pin	AL
SC8405	QCNCW6028CEZZ	J	Socket, 60-pin	AL
SC8502	QCNCW6028CEZZ	J	Socket, 60-pin	AL

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SIGNAL UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC801	VHiTDA8854H-2	J	TDA8854H/N2	BD
IC802	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC803	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC805	VHiTDA4565/-1	J	TDA4565/V6	AN
IC807	VHiNJM2060V-1	J	NJM2060V	AF
IC4301	VHiCXA1839Q-1	J	CXA1839	AZ
IC4302	VHiTHC4538T-1	J	TC74HC4538AFT	AL
IC4501	VHiPD64081B-1	J	UPD64081BGF3BA	BD
IC4502	VHiTK15420/-1	J	TK15420MTl	AG
IC4503	RH-iX3420CEZZ	J	MSM5416258B-28	AT
IC4505	VHiPST600iM-1	J	IC-PST600IMT	AE
IC4506	VHiT7SET08U-1	J	TC7SET08FU	AE
IC4507	VHiM40C568H-1	J	MB40C568HPFV-G	AQ
IC4508	VHiTC4S66F/-1	J	TC4S66F	AD
IC4509	VHiNJM2233V-1	J	NJM2233V	AE
IC6001	VHiTC90A11F-1	J	TC90A11F	AZ
IC6002	VHiM518221A-1	J	MSM518221A-30J	AW
IC6003	VHiPST600DM-1	J	IC-PST600DMT	AE
IC6004	VHiNJM2283V-1	J	NJM2283V	AG
IC6008	VHiBA7046F/-1	J	BA7046F	AF
IC6009	VHiNJM2283V-1	J	NJM2283V	AG
IC6010	VHiNJM2234M-1	J	NJM2234M	AF
IC6011	VHiNJM2240M-1	J	NJM2240M	AG

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q801	VS2SC3928AR-1	J	2SC3928AR	AB
Q802	VS2SA1530AR-1	J	2SA1530AR	AB
Q803	VS2SC3928AR-1	J	2SC3928AR	AB
Q804	VS2SA1530AR-1	J	2SA1530AR	AB
Q805	VSDTC144EK/-1	J	DTC144EK	AB
Q806	VS2SC3928AR-1	J	2SC3928AR	AB
Q807	VS2SC3928AR-1	J	2SC3928AR	AB
Q808	VS2SC3928AR-1	J	2SC3928AR	AB
Q811	VSDTC144EK/-1	J	DTC144EK	AB
Q812	VS2SC3928AR-1	J	2SC3928AR	AB
Q813	VS2SC3928AR-1	J	2SC3928AR	AB
Q814	VS2SC3928AR-1	J	2SC3928AR	AB
Q4303	VS2SC3928AR-1	J	2SC3928AR	AB
Q4306	VS2SC3928AR-1	J	2SC3928AR	AB
Q4309	VS2SC3928AR-1	J	2SC3928AR	AB
Q4313	VS2SC3928AR-1	J	2SC3928AR	AB
Q4314	VS2SC3928AR-1	J	2SC3928AR	AB
Q4315	VS2SC3928AR-1	J	2SC3928AR	AB
Q4317	VS2SC3928AR-1	J	2SC3928AR	AB
Q4318	VS2SC3928AR-1	J	2SC3928AR	AB
Q4320	VSDTC144EU/-1	J	DTC144EU	AB
Q4321	VSBSN20////-1	J	BSN20	AD
Q4322	VSBSN20////-1	J	BSN20	AD
Q4501	VS2SA1530AR-1	J	2SA1530AR	AB
Q4502	VS2SA1530AR-1	J	2SA1530AR	AB
Q4503	VS2SA1530AR-1	J	2SA1530AR	AB
Q4504	VS2SA1530AR-1	J	2SA1530AR	AB
Q4505	VS2SC2412KQ-1	J	2SC2412KQ	AA
Q4506	VS2SC3928AR-1	J	2SC3928AR	AB
Q4507	VS2SA1530AR-1	J	2SA1530AR	AB
Q4508	VS2SC3928AR-1	J	2SC3928AR	AB
Q4509	VS2SA1530AR-1	J	2SA1530AR	AB
Q4510	VS2SA1530AR-1	J	2SA1530AR	AB
Q4511	VS2SC3928AR-1	J	2SC3928AR	AB
Q4520	VS2SA1530AR-1	J	2SA1530AR	AB
Q6001	VS2SC3928AR-1	J	2SC3928AR	AB
Q6002	VS2SC3928AR-1	J	2SC3928AR	AB
Q6003	VS2SA1530AR-1	J	2SA1530AR	AB
Q6004	VS2SC3928AR-1	J	2SC3928AR	AB
Q6005	VS2SA1530AR-1	J	2SA1530AR	AB
Q6006	VS2SC3928AR-1	J	2SC3928AR	AB
Q6007	VS2SC3928AR-1	J	2SC3928AR	AB
Q6008	VS2SC3928AR-1	J	2SC3928AR	AB
Q6009	VS2SC3928AR-1	J	2SC3928AR	AB
Q6010	VS2SC3928AR-1	J	2SC3928AR	AB
Q6011	VS2SC3928AR-1	J	2SC3928AR	AB
Q6012	VS2SC3928AR-1	J	2SC3928AR	AB
Q6013	VS2SC3928AR-1	J	2SC3928AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D801	VHDDAN202K/-1	J	Diode	AB
D804	VHDMA152WA/-1	J	Diode	AA
D6001	RH-EX0226CEZZ	J	Zener Diode	AB
D6002	RH-EX0226CEZZ	J	Zener Diode	AB

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X801	RCRSB0009PEZZ	J	Crystal	AL
X802	RCRSB0008PEZZ	J	Crystal	AH
X4501	RCRSB0258CEZZ	J	Crystal	AG

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL4501	RCiLF0306CEZZ	J	Filter	AH
FL4502	RCiLV0108GEZZ	J	Filter	AG
FL4503	RFiLN0097GEZZ	J	Filter	AF
FL4504	RFiLN0097GEZZ	J	Filter	AF
L801	VP-1M470J5R4N	J	Peaking 47µH	AC
L4501	VP-1M4R7J1R2N	J	Peaking 4.7µH	AB
L4502	VP-1M220J2R9N	J	Peaking 22µH	AC
L4510	VP-1M220J2R9N	J	Peaking 22µH	AC
L6001	VP-1M270J3R8N	J	Peaking 27µH	AC
L6002	VP-1M330J4R2N	J	Peaking 33µH	AC
L6003	VP-1M220J2R9N	J	Peaking 22µH	AC

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C801	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C802	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C803	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C804	VCFYEC1CM223J	J	0.022	16V	Mylar	AC
C805	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C806	VCFYEC1CM274J	J	0.27	16V	Mylar	AE
C807	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C808	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C809	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C810	VCFYEC1CM274J	J	0.27	16V	Mylar	AE
C811	VCKYCY1CF224Z	J	0.22	16V	Ceramic	AA
C812	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C813	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C814	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C815	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C816	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C817	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C818	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C819	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C820	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C821	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C823	VCCCCY1HH180J	J	18p	50V	Ceramic	AA
C824	VCCCCY1HH180J	J	18p	50V	Ceramic	AA
C825	VCFRED1HM332J	J	3300p	50V	Mylar	AD
C826	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C827	VCEAPF1CW107M	J	100	16V	Electrolytic	AD
C828	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C829	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C830	VCFRED1HM222J	J	2200p	50V	Mylar	AC
C831	VCEAPF1HW105M	J	1.0	50V	Electrolytic	AB
C832	VCFRED1HM472J	J	4700p	50V	Mylar	AD
C834	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C835	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C836	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C837	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C841	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C842	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C843	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C844	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C845	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C846	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C847	VCCCCY1EH102J	J	1000p	25V	Ceramic	AB
C855	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C856	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C858	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C859	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC

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SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C860	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C861	VCCCCY1HH820J	J	82p	50V	Ceramic	AA
C862	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C863	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C864	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C865	VCCCCY1HH221J	J	220p	50V	Ceramic	AA
C866	VCCCCY1HH680J	J	68p	50V	Ceramic	AA
C867	VCCCCY1HH121J	J	120p	50V	Ceramic	AA
C868	VCCCCY1HH121J	J	120p	50V	Ceramic	AA
C870	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C875	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C877	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C878	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C879	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C880	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C883	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C890	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C891	VCEAPF1EW475M	J	4.7	25V	Electrolytic	AB
C922	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C937	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C938	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C939	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C940	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C976	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4301	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4302	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4303	VCEAPF1HW106M	J	10	50V	Electrolytic	AB
C4305	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4306	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4307	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4308	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4309	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4310	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4311	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4312	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4313	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4314	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4315	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4316	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4317	VCEAPF1HW474M	J	0.47	50V	Electrolytic	AB
C4318	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C4319	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4320	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4321	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4322	VCCCCY1HH561J	J	560p	50V	Ceramic	AB
C4323	VCCCCY1EH821J	J	820p	25V	Ceramic	AB
C4327	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C4328	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4501	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4502	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4503	VCEAPF1CW476M	J	47	16V	Electrolytic	AC
C4504	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4505	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4507	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C4508	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4509	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C4510	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4511	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4512	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4513	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4515	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4516	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4517	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4518	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4519	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4520	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4521	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4522	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4523	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4524	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C4525	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C4526	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4527	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4528	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C4529	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4530	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4531	VCKYCY1EF104Z	J	0.1	25V	Ceramic	AA
C4533	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4534	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4535	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C4536	VCCCCY1HH220J	J	22p	50V	Ceramic	AA
C4537	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4538	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4539	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4540	VCCCCY1HH391J	J	390p	50V	Ceramic	AA
C4541	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4542	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4543	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4545	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4546	VCEAPF1HW474M	J	0.47	50V	Electrolytic	AB
C4548	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4549	VCCCCY1HH471J	J	470p	50V	Ceramic	AA
C4550	VCEAPF1HW334M	J	0.33	50V	Electrolytic	AB
C4551	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4552	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C4553	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4554	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C4555	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4556	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C4557	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4558	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4559	RC-KZ0416CEZZ	J	10	25V	Ceramic	AE
C4560	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4561	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4562	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C4563	VCEAPF1CW226M	J	22	16V	Electrolytic	AB
C4564	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4590	VCCCCY1HH100D	J	10p	50V	Ceramic	AA
C4591	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4592	VCCCCY1HH120J	J	12p	50V	Ceramic	AA
C4594	RC-EZ1138CEZZ	J	10	6.3V	Electrolytic	AF
C4595	RC-EZ1138CEZZ	J	10	6.3V	Electrolytic	AF
C4596	RC-EZ1138CEZZ	J	10	6.3V	Electrolytic	AF
C6001	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6002	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6004	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6005	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6006	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C6007	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6008	VCCCCY1HH181J	J	180p	50V	Ceramic	AA
C6009	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6010	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6011	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6012	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6013	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6014	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6015	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6016	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6017	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6018	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6019	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6020	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C6021	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6022	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6023	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6024	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6025	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6026	VCKYCY1AF105Z	J	1.0	10V	Ceramic	AC
C6028	VCCCCY1HH470J	J	47p	50V	Ceramic	AA
C6029	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C6030	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6031	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6032	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C6033	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C6034	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC

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SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
C6035	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C6037	VCCCCY1HH360J	J	36p 50V Ceramic	AA
C6038	VCCCCY1HH120J	J	12p 50V Ceramic	AA
C6039	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C6040	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6041	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C6042	VCCCCY1HH5R0C	J	5.0p 50V Ceramic	AA
C6043	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C6044	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C6045	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6046	VCCCCY1HH390J	J	39p 50V Ceramic	AA
C6047	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6048	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6049	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6050	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6051	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6052	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6053	VCCCCY1HH220J	J	22p 50V Ceramic	AA
C6064	VCEAPF0JW476M	J	47 6.3V Electrolytic	AB
C6065	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6066	VCKYCY1AF105Z	J	1.0 10V Ceramic	AC
C6067	VCCCCY1EH102J	J	1000p 25V Ceramic	AB
C6068	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6069	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6070	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6071	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6072	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6074	VCEAPF1CW476M	J	47 16V Electrolytic	AC
C6075	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6076	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6077	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6078	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6079	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6080	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6081	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6082	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6083	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6084	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA
C6085	VCEAPF1CW106M	J	10 16V Electrolytic	AB
C6086	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C6087	VCCCCY1HH5R0C	J	5.0p 50V Ceramic	AA
C6088	VCEAPF1HW475M	J	4.7 50V Electrolytic	AB
C6089	VCKYCY1HF103Z	J	0.01 50V Ceramic	AA
C6090	VCKYCY1HF102Z	J	1000p 50V Ceramic	AA
C6091	VCKYCY1HB103K	J	0.01 50V Ceramic	AA
C6093	VCEAPF1CW226M	J	22 16V Electrolytic	AB
C6094	VCE9PF1CW226M	J	22 16V Elect.(N.P)	AD
C6096	VCKYCY1CF104Z	J	0.1 16V Ceramic	AA

RESISTORS

Ref. No.	Part No.	★	Description	Code
R801	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R802	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R803	VRS-CY1JF564J	J	560k 1/16W Metal Oxide	AA
R804	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R806	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R807	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R808	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R809	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R810	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R811	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R812	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R813	VRS-TX2HF4R7J	J	4.7 1/2W Metal Oxide	AB
R815	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R816	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R817	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R818	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R819	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R820	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R821	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R822	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R823	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R824	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R825	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R826	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R827	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R829	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R830	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R831	VRS-TX2HF4R7J	J	4.7 1/2W Metal Oxide	AB
R832	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R833	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R834	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R835	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R836	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R837	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R838	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R839	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R840	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R841	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R842	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R843	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R844	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R845	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R846	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R847	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R848	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R849	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R850	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R851	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R852	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R853	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R854	VRS-CY1JF750J	J	75 1/16W Metal Oxide	AA
R855	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R856	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R857	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R858	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R859	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R860	VRN-CY1JF133D	J	13k 1/16W Metal Film	AB
R861	VRN-CY1JF752D	J	7.5k 1/16W Metal Film	AA
R862	VRN-CY1JF682D	J	6.8k 1/16W Metal Film	AB
R863	VRN-CY1JF103D	J	10k 1/16W Metal Film	AA
R864	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R865	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R872	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R874	VRS-TX2HF5R6J	J	5.6 1/2W Metal Oxide	AA
R876	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R879	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R880	VRS-CY1JF183J	J	18k 1/16W Metal Oxide	AA
R881	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R882	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R883	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R886	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R891	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R894	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R895	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R896	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R899	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R900	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R901	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R902	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R903	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R905	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R906	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R907	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R908	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R909	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R910	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R911	VRS-CY1JF683J	J	68k 1/16W Metal Oxide	AA
R912	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R913	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R914	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R920	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R921	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R922	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R925	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R926	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R929	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA

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SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R930	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R935	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R936	VRS-CY1JF363J	J	36k 1/16W Metal Oxide	AA
R989	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R992	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R995	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4307	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4308	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4309	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4310	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4315	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4316	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4317	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4318	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4322	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4323	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4324	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4331	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4332	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4333	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4334	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4335	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4336	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4337	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4338	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4339	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4340	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4341	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4342	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4343	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4344	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R4345	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R4346	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4347	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4348	VRN-CY1JF392D	J	3.9k 1/16W Metal Film	AA
R4349	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4350	VRN-CY1JF562D	J	5.6k 1/16W Metal Film	AB
R4351	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4352	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R4353	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R4354	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4357	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4358	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4361	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R4364	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R4365	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R4368	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4369	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4391	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4392	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4393	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4501	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4502	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R4503	VRS-CY1JF431J	J	430 1/16W Metal Oxide	AA
R4504	VRS-CY1JF132J	J	1.3k 1/16W Metal Oxide	AA
R4505	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R4506	VRS-CY1JF431J	J	430 1/16W Metal Oxide	AA
R4507	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R4508	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R4509	VRS-CY1JF682J	J	6.8k 1/16W Metal Oxide	AA
R4510	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R4511	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4512	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R4513	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4514	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4515	VRS-CY1JF100J	J	10 1/16W Metal Oxide	AA
R4516	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R4517	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4518	VRS-CY1JF911J	J	910 1/16W Metal Oxide	AA
R4519	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R4520	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4521	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4522	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4523	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R4524	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4526	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4527	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4528	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4529	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4530	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4531	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4532	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4536	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4537	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4538	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R4539	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R4540	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4541	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R4542	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R4543	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R4544	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4545	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R4546	VRS-CY1JF182J	J	1.8k 1/16W Metal Oxide	AA
R4547	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4548	VRS-CB1JF101J	J	100 1/16W Metal Oxide	AA
R4549	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4550	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4551	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R4552	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R4553	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R4554	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4555	VRS-CY1JF224J	J	220k 1/16W Metal Oxide	AA
R4556	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4557	VRS-CY1JF221J	J	220 1/16W Metal Oxide	AA
R4558	VRS-CY1JF222F	J	2.2k 1/16W Metal Oxide	AA
R4559	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R4560	VRS-CY1JF222F	J	2.2k 1/16W Metal Oxide	AA
R4561	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4563	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4564	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4565	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4566	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4567	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4568	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4569	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4571	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4572	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4573	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4574	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4591	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4592	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4596	VRS-TX2HF2R2J	J	2.2 1/2W Metal Oxide	AB
R4597	VRS-CY1JF5R6J	J	5.6 1/16W Metal Oxide	AA
R6001	VRS-CY1JF154J	J	150k 1/16W Metal Oxide	AA
R6002	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6003	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R6004	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R6005	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R6006	VRN-CY1JF332D	J	3.3k 1/16W Metal Film	AA
R6007	VRS-CY1JF681J	J	680 1/16W Metal Oxide	AA
R6008	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6009	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6010	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6011	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6012	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6013	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6014	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6015	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R6016	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R6017	VRS-CY1JF561J	J	560 1/16W Metal Oxide	AA
R6018	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R6019	VRS-CY1JF823J	J	82k 1/16W Metal Oxide	AA
R6020	VRS-TV1JD222J	J	2.2k 1/16W Metal Oxide	AA
R6021	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R6022	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6023	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA

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SIGNAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R6024	VRS-TV1JD122J	J	1.2k 1/16W Metal Oxide	AA
R6025	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6026	VRS-TV1JD471J	J	470 1/16W Metal Oxide	AA
R6027	VRS-CY1JF223J	J	22k 1/16W Metal Oxide	AA
R6028	VRS-CY1JF391J	J	390 1/16W Metal Oxide	AA
R6029	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6030	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R6031	VRS-TV1JD122J	J	1.2k 1/16W Metal Oxide	AA
R6032	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R6033	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R6034	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6035	VRS-CY1JF333J	J	33k 1/16W Metal Oxide	AA
R6036	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R6037	VRS-CY1JF102F	J	1.0k 1/16W Metal Oxide	AA
R6038	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6039	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R6040	VRS-CY1JF104J	J	100k 1/16W Metal Oxide	AA
R6041	VRS-CY1JF122J	J	1.2k 1/16W Metal Oxide	AA
R6042	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6043	VRS-CY1JF821J	J	820 1/16W Metal Oxide	AA
R6044	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6045	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6046	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R6048	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6054	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R6055	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6056	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R6057	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R6058	VRS-CY1JF151J	J	150 1/16W Metal Oxide	AA
R6059	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R6060	VRS-CY1JF822J	J	8.2k 1/16W Metal Oxide	AA
R6061	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R6062	VRS-TV1JD102J	J	1.0k 1/16W Metal Oxide	AA
R6063	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R6064	VRS-CY1JF474J	J	470k 1/16W Metal Oxide	AA
R6065	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6066	VRS-CY1JF331J	J	330 1/16W Metal Oxide	AA
R6067	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6068	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R6069	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6070	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6071	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6072	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6073	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6074	VRS-CY1JF332F	J	3.3k 1/16W Metal Oxide	AA
R6075	VRS-CY1JF361J	J	360 1/16W Metal Oxide	AA
R6076	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R6077	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R6078	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R6081	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6082	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R6085	VRS-TW2ED6R8J	J	6.8 1/4W Metal Oxide	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB4501	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB4502	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4503	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4506	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4507	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4508	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB4509	RBLN-0061TAZZ	J	Ferrite Bead	AD
FB6002	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6003	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6004	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6006	RBLN-0065CEZZ	J	Ferrite Bead	AB
FB6007	RBLN-0065CEZZ	J	Ferrite Bead	AB
P401	QPLGZ3044CEZZ	J	Plug, 30-pin (ST)	AH
P803	QPLGN0463TAZZ	J	Plug, 4-pin	AC
SC801	QSOCZ2025CEZZ	J	Socket, 20-pin (SA)	AE
SC802	QSOCZ2025CEZZ	J	Socket, 20-pin (SB)	AE

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SOUND OUT UNIT

INTEGRATED CIRCUIT

Ref. No.	Part No.	★	Description	Code
IC302	VHiTDA1517/-2	J	TDA1517/N2	AL

CAPACITORS

Ref. No.	Part No.	★	Description	Code
C317	VCEAPF1HW475M	J	4.7 50V Electrolytic	AB
C318	VCEAPF1HW475M	J	4.7 50V Electrolytic	AB
C319	VCE9PF1CW475M	J	4.7 16V Elect.(N.P)	AC
C320	VCEAPF1CW107M	J	100 16V Electrolytic	AD
C321	VCEA2A1CW108M	J	1000 16V Electrolytic	AB
C322	VCKYCY1EF104Z	J	0.1 25V Ceramic	AA
C323	VCEA2A1CW108M	J	1000 16V Electrolytic	AB
C324	VCEAPF1EW475M	J	4.7 25V Electrolytic	AB
C325	VCEA2A1EW477M	J	470 25V Electrolytic	AD
C326	VCE9PF1CW475M	J	4.7 16V Elect.(N.P)	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R311	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R312	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R317	QFS-J2521CEZZ	J	Fuse Resistor	AF

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB301	RBLN-0060CEZZ	J	Ferrite Bead	AC
P302	QPLGN0764TAZZ	J	Plug, 7-pin (SO)	AD
P303	QPLGN0176FJZZ	J	Plug, 4-pin (SP)	AD

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R/C RECEIVER UNIT

CAPACITOR

Ref. No.	Part No.	★	Description	Code
C5568	VCEAPF0JW107M	J	100 6.3V Electrolytic	AC

RESISTORS

Ref. No.	Part No.	★	Description	Code
R5564	VRS-CY1JF471J	J	470 1/16W Metal Oxide	AA
R5565	VRS-CY1JF220J	J	22 1/16W Metal Oxide	AA

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
P5555	QPLGN0364TAZZ	J	Plug, 3-pin (RC)	AC
RMC5552	RRMCU0239CEZZ	J	R/C Receiver	AG
	PSLDC3099CEFW	J	Shield	AD

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TERMINAL UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC401	VHiNJM2245M-1	J	NJM2245M	AF
IC441	VHiNJM2245M-1	J	NJM2245M	AF
IC442	VHiNJM2245M-1	J	NJM2245M	AF
IC3001	VHi24LC21//-1	J	24LC21T	AN
IC3002	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3003	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3004	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3101	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3102	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3202	RH-iX3337CEZZ	J	OPA3681E	AX
IC3203	RH-iX3337CEZZ	J	OPA3681E	AX
IC3301	RH-iX2317CEZZ	J	SN74AlS1034NS	AF
IC3401	VHiUPD4721G-1	J	UPD4721G-GJG	AQ
IC3501	VHi24LC21//-1	J	24LC21T	AN
IC3502	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3503	VHiTL712CPW-1	J	Tl712CPWR	AL
IC3504	VHiTL712CPW-1	J	Tl712CPWR	AL
IC4001	VHiMC141627-1	J	MC141627FT	AY
IC5551	VHiTC7S08F/-1	J	TC7S08F	AC

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q461	VS2SA1530AR-1	J	2SA1530AR	AB
Q462	VS2SA1530AR-1	J	2SA1530AR	AB
Q463	VSDTC144EK/-1	J	DTC144EK	AB
Q464	VS2SC3928AR-1	J	2SC3928AR	AB
Q465	VS2SC3928AR-1	J	2SC3928AR	AB
Q3001	VSDTC144EU/-1	J	DTC144EU	AB
Q3002	VSDTC144EU/-1	J	DTC144EU	AB
Q3003	VSDTC114EU/-1	J	DTC114EU	AB
Q3004	VSDTC144EU/-1	J	DTC144EU	AB
Q3005	VSDTC114EU/-1	J	DTC114EU	AB
Q3006	VSDTC144EU/-1	J	DTC144EU	AB
Q3007	VSDTC144EU/-1	J	DTC144EU	AB
Q3101	VSDTC144EU/-1	J	DTC144EU	AB
Q3102	VSDTC114EU/-1	J	DTC114EU	AB
Q3103	VSDTC144EU/-1	J	DTC144EU	AB
Q3201	VS2SC3928AR-1	J	2SC3928AR	AB
Q3202	VS2SC3928AR-1	J	2SC3928AR	AB
Q3203	VS2SC3928AR-1	J	2SC3928AR	AB
Q3501	VSDTC144EU/-1	J	DTC144EU	AB
Q3502	VSDTC114EU/-1	J	DTC114EU	AB
Q3503	VSDTC144EU/-1	J	DTC144EU	AB
Q3504	VSDTC114EU/-1	J	DTC114EU	AB
Q3505	VSDTC144EU/-1	J	DTC144EU	AB
Q3506	VSDTC144EU/-1	J	DTC144EU	AB
Q4002	VS2SC3928AR-1	J	2SC3928AR	AB
Q4004	VS2SC3928AR-1	J	2SC3928AR	AB
Q4005	VS2SC3928AR-1	J	2SC3928AR	AB
Q4007	VS2SC3928AR-1	J	2SC3928AR	AB
Q4009	VS2SA1530AR-1	J	2SA1530AR	AB
Q4010	VS2SC3928AR-1	J	2SC3928AR	AB
Q4011	VSiMX2/////-1	J	IMX2	AB
Q4012	VS2SA1530AR-1	J	2SA1530AR	AB

DIODES

Ref. No.	Part No.	★	Description	Code
D401	RH-EX0226CEZZ	J	Zener Diode	AB
D402	RH-EX0226CEZZ	J	Zener Diode	AB
D403	RH-EX0226CEZZ	J	Zener Diode	AB
D404	RH-EX0226CEZZ	J	Zener Diode	AB
D409	RH-EX0226CEZZ	J	Zener Diode	AB
D441	RH-EX0226CEZZ	J	Zener Diode	AB
D442	RH-EX0226CEZZ	J	Zener Diode	AB
D443	RH-EX0226CEZZ	J	Zener Diode	AB
D444	RH-EX0226CEZZ	J	Zener Diode	AB
D461	RH-EX0226CEZZ	J	Zener Diode	AB
D462	RH-EX0226CEZZ	J	Zener Diode	AB
D3001	VHDMA157A//-1	J	Diode	AC
D3002	VHDMA157A//-1	J	Diode	AC
D3003	VHDMA157A//-1	J	Diode	AC
D3004	VHDMA157A//-1	J	Diode	AC
D3005	VHDMA157A//-1	J	Diode	AC
D3006	VHDMA157A//-1	J	Diode	AC
D3007	VHDMA157A//-1	J	Diode	AC
D3201	VHDMA157A//-1	J	Diode	AC
D3202	VHDMA157A//-1	J	Diode	AC
D3203	VHDMA157A//-1	J	Diode	AC
D3204	VHDMA157A//-1	J	Diode	AC
D3205	VHDMA157A//-1	J	Diode	AC
D3206	VHDMA157A//-1	J	Diode	AC
D3301	VHDMA157A//-1	J	Diode	AC
D3302	VHDMA157A//-1	J	Diode	AC
D3303	VHDMA157A//-1	J	Diode	AC
D3304	VHDMA157A//-1	J	Diode	AC
D3305	VHDMA157A//-1	J	Diode	AC
D3306	VHDMA157A//-1	J	Diode	AC
D3401	VHDMA3120WA-1	J	Diode	AK
D3402	VHDMA3120WA-1	J	Diode	AK
D3403	VHDMA3120WA-1	J	Diode	AK
D3404	VHDMA3120WA-1	J	Diode	AK
D3405	RH-EX0226CEZZ	J	Zener Diode	AB
D3406	RH-EX0226CEZZ	J	Zener Diode	AB
D3407	RH-EX0226CEZZ	J	Zener Diode	AB
D3408	RH-EX0226CEZZ	J	Zener Diode	AB
D3501	VHDMA157A//-1	J	Diode	AC
D3502	VHDMA157A//-1	J	Diode	AC
D3503	VHDMA157A//-1	J	Diode	AC
D3504	VHDMA157A//-1	J	Diode	AC
D3505	VHDMA157A//-1	J	Diode	AC
D4001	VHDMA153///-1	J	Diode	AB
D4002	VHD1SS355//-1	J	Diode	AB
D5551	VHDMA3120WA-1	J	Diode	AK
D5552	VHDMA3120WA-1	J	Diode	AK

FILTERS AND COILS

Ref. No.	Part No.	★	Description	Code
FL401	RFiLN0017TAZZ	J	Filter	AC
FL403	RFiLN0017TAZZ	J	Filter	AC
FL404	RFiLN0017TAZZ	J	Filter	AC
FL405	RFiLN0514CEZZ	J	Filter	AE
FL3001	RFiLN0003TAZZ	J	Filter	AD
FL3002	RFiLN0003TAZZ	J	Filter	AD
FL3003	RFiLN0003TAZZ	J	Filter	AD
FL3004	RFiLN0003TAZZ	J	Filter	AD
FL3005	RFiLN0003TAZZ	J	Filter	AD
FL3006	RFiLN0003TAZZ	J	Filter	AD
FL3301	RFiLN0003TAZZ	J	Filter	AD
FL3302	RFiLN0003TAZZ	J	Filter	AD
FL3303	RFiLN0003TAZZ	J	Filter	AD
FL3501	RFiLN0003TAZZ	J	Filter	AD
FL3502	RFiLN0003TAZZ	J	Filter	AD
FL3503	RFiLN0003TAZZ	J	Filter	AD
FL4001	RCiLF0316CEZZ	J	Filter	AG
FL4002	RCiLF0316CEZZ	J	Filter	AG
L3201	VP-1M100J1R6N	J	Peaking 10µH	AC
L4004	VP-1M330J4R2N	J	Peaking 33µH	AC
L4005	VP-1M330J4R2N	J	Peaking 33µH	AC
L4006	VP-1M270J3R8N	J	Peaking 27µH	AC
L4010	VP-1M680J6R9N	J	Peaking 68µH	AC
L4011	VP-1M680J6R9N	J	Peaking 68µH	AC

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C401	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C404	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C405	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C407	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C408	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C409	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C410	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C420	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C421	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C441	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C443	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C445	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C446	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C447	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C449	VCCCCY1HH101J	J	100p	50V	Ceramic	AA

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TERMINAL UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C451	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C452	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C453	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C454	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C461	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C463	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C465	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C466	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C469	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C470	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C471	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C472	VCE9PF1CW106M	J	10	16V	Elect.(N.P)	AC
C3001	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3002	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3003	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3004	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3005	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3006	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3007	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3008	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3009	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3010	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3011	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3012	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3101	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3102	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3103	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3104	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3105	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3106	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3201	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3202	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3203	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3204	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3205	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3206	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3207	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3208	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3209	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3210	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3211	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3212	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3220	VCEAPF1AW226M	J	22	10V	Electrolytic	AB
C3221	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3222	VCEAPF1AW226M	J	22	10V	Electrolytic	AB
C3223	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3225	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3227	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3301	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3401	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3402	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3403	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3404	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3405	VCEAPF1HW225M	J	2.2	50V	Electrolytic	AB
C3406	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3407	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3501	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C3502	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3503	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3504	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C3505	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3506	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3507	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3508	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3509	VCCCCY1HH330J	J	33p	50V	Ceramic	AA
C3510	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3511	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C3512	VCKYCY1HF103Z	J	0.01	50V	Ceramic	AA
C4022	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4023	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4029	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C4030	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4031	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4032	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4033	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4034	VCEAPF0JW476M	J	47	6.3V	Electrolytic	AB
C4035	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4036	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4037	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4038	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4039	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4040	VCEAPF1HW105M	J	1.0	50V	Electrolytic	AB
C4041	VCEAPF0JW226M	J	22	6.3V	Electrolytic	AB
C4042	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4043	VCEAPF1CW106M	J	10	16V	Electrolytic	AB
C4044	VCE9PF1HW105M	J	1.0	50V	Elect.(N.P)	AC
C4045	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4046	VCEAPF1HW105M	J	1.0	50V	Electrolytic	AB
C4047	VCKYCY1HB103K	J	0.01	50V	Ceramic	AA
C4048	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4049	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4050	VCCCCY1HH270J	J	27p	50V	Ceramic	AA
C4051	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4052	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C4053	VCCCCY1HH121J	J	120p	50V	Ceramic	AA
C5551	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5552	VCCCCY1HH101J	J	100p	50V	Ceramic	AA
C5555	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5556	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC
C5557	VCKYCY1CF104Z	J	0.1	16V	Ceramic	AA
C5558	VCEAPF0JW107M	J	100	6.3V	Electrolytic	AC

RESISTORS

Ref. No.	Part No.	★	Description			Code
R403	VRS-TQ2BD750J	J	75	1/8W	Metal Oxide	AA
R404	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R405	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R406	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R407	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R408	VRS-TQ2BD750J	J	75	1/8W	Metal Oxide	AA
R409	VRS-TQ2BD750J	J	75	1/8W	Metal Oxide	AA
R410	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R411	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R412	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R414	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R415	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R416	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R417	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R419	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R421	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R422	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R431	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R441	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R442	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R443	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R444	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R445	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R446	VRS-CY1JF123J	J	12k	1/16W	Metal Oxide	AA
R447	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R448	VRS-CY1JF224J	J	220k	1/16W	Metal Oxide	AA
R449	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R450	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R451	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R452	VRS-TV1JD000J	J	0	1/16W	Metal Oxide	AA
R461	VRS-CY1JF105J	J	1.0M	1/16W	Metal Oxide	AA
R462	VRS-CY1JF105J	J	1.0M	1/16W	Metal Oxide	AA
R463	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R464	VRS-CY1JF681J	J	680	1/16W	Metal Oxide	AA
R465	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R466	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R467	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R468	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA
R469	VRS-CY1JF102J	J	1.0k	1/16W	Metal Oxide	AA
R470	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R471	VRS-CY1JF682J	J	6.8k	1/16W	Metal Oxide	AA
R472	VRS-CY1JF101J	J	100	1/16W	Metal Oxide	AA
R473	VRS-CY1JF562J	J	5.6k	1/16W	Metal Oxide	AA

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Ref. No.	Part No.	★	Description	Code
R474	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R475	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R476	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R477	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R478	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R479	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R481	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R482	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R483	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3001	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3002	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3003	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3004	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3005	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3006	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3007	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3008	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3009	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3010	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3011	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3013	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3014	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3015	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3016	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3017	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3018	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3019	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3020	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3021	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3023	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3024	VRS-CY1JF272J	J	2.7k 1/16W Metal Oxide	AA
R3025	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3026	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3027	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3028	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3029	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3030	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3032	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3034	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3035	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3036	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3040	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3041	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3042	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3043	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3044	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3046	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3048	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3050	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3052	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3101	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3104	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3106	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3107	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3108	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3109	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3110	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3112	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3113	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3114	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3115	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3116	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3120	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3121	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3201	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3202	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3203	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3204	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3205	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3206	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3207	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3208	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3209	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3210	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3211	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3212	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3213	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3214	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3215	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3216	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3217	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3218	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3219	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3221	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3222	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3224	VRS-CY1JF820J	J	82 1/16W Metal Oxide	AA
R3225	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3227	VRS-CY1JF162J	J	1.6k 1/16W Metal Oxide	AA
R3228	VRS-CY1JF562J	J	5.6k 1/16W Metal Oxide	AA
R3251	VRS-CY1JF162J	J	1.6k 1/16W Metal Oxide	AA
R3252	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3253	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R3256	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3258	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3260	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3261	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3262	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3263	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3264	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3265	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3270	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3271	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3272	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3273	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3274	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3275	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3276	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3277	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3278	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3279	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3280	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3281	VRS-CY1JF511J	J	510 1/16W Metal Oxide	AA
R3285	VRS-TV1JD102J	J	1.0k 1/16W Metal Oxide	AA
R3286	VRS-TV1JD102J	J	1.0k 1/16W Metal Oxide	AA
R3287	VRS-TV1JD102J	J	1.0k 1/16W Metal Oxide	AA
R3401	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3402	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3403	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3404	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3405	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3406	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3407	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3408	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3409	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R3501	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R3502	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3503	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3504	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3505	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3506	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3507	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R3508	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3509	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3510	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3511	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3513	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3514	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3515	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3516	VRS-TW2ED750J	J	75 1/4W Metal Oxide	AA
R3517	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3518	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3519	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3520	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3521	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3523	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3524	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA

DUNTKA188DE02
TERMINAL UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R3526	VRS-CY1JF271J	J	270 1/16W Metal Oxide	AA
R3527	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3528	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3529	VRS-CY1JF222J	J	2.2k 1/16W Metal Oxide	AA
R3530	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R3532	VRS-CY1JF330J	J	33 1/16W Metal Oxide	AA
R3540	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3541	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R3542	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3543	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R3545	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R3547	VRS-TV1JD000J	J	0 1/16W Metal Oxide	AA
R4013	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4014	VRS-CY1JF392J	J	3.9k 1/16W Metal Oxide	AA
R4015	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4016	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4017	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4020	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R4021	VRS-CY1JF393J	J	39k 1/16W Metal Oxide	AA
R4023	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4024	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4025	VRS-CY1JF153J	J	15k 1/16W Metal Oxide	AA
R4028	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R4035	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4036	VRS-CY1JF273J	J	27k 1/16W Metal Oxide	AA
R4037	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4040	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4041	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4042	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4043	VRS-CY1JF103J	J	10k 1/16W Metal Oxide	AA
R4044	VRS-CY1JF000J	J	0 1/16W Metal Oxide	AA
R4045	VRS-CY1JF754J	J	750k 1/16W Metal Oxide	AA
R4046	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4047	VRS-CY1JF473J	J	47k 1/16W Metal Oxide	AA
R4048	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4049	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4050	VRS-CY1JF101J	J	100 1/16W Metal Oxide	AA
R4051	VRS-CY1JF185J	J	1.8M 1/16W Metal Oxide	AA
R4052	VRS-CY1JF563J	J	56k 1/16W Metal Oxide	AA
R4053	VRS-CY1JF4R7J	J	4.7 1/16W Metal Oxide	AA
R4054	VRS-CY1JF121J	J	120 1/16W Metal Oxide	AA
R4055	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4056	VRS-CY1JF152J	J	1.5k 1/16W Metal Oxide	AA
R4057	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA
R4058	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4059	VRS-CY1JF560J	J	56 1/16W Metal Oxide	AA
R4060	VRS-CY1JF332J	J	3.3k 1/16W Metal Oxide	AA
R5551	VRS-TX2HF220J	J	22 1/2W Metal Oxide	AB
R5552	VRS-CY1JF472J	J	4.7k 1/16W Metal Oxide	AA
R5553	VRS-CY1JF102J	J	1.0k 1/16W Metal Oxide	AA

SWITCH

Ref. No.	Part No.	★	Description	Code
S3001	QSW-S0230CEZZ	J	Slide Switch	AG

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
FB401	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB403	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB404	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB442	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB443	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB445	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB446	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB462	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB463	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB3004	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3005	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3050	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3104	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3105	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3304	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3305	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3306	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3401	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3402	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3403	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3404	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3405	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3406	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3407	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3408	RBLN-0059CEZZ	J	Ferrite Bead	AB
FB3504	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3505	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB3550	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB4001	RBLN-0067CEZZ	J	Ferrite Bead	AC
FB4002	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB4003	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB4004	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB4005	RBLN-0062CEZZ	J	Ferrite Bead	AC
FB5551	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB5552	RBLN-0060TAZZ	J	Ferrite Bead	AB
FB5553	RBLN-0060TAZZ	J	Ferrite Bead	AB
J401	QJAKG0049CEZZ	J	Jack AV IN	AH
J402	QSOCD0403GEZZ	J	Socket S-Video IN	AE
J441	QJAKJ0008GEZZ	J	Jack Audio IN-1	AD
J442	QJAKJ0008GEZZ	J	Jack Audio IN-2	AD
J461	QJAKJ0008GEZZ	J	Jack Audio Out	AD
J3101	QTANZ0632CEZZ	J	5-BNC Terminal RGB IN	AR
J5551	QJAKJ0007TAZZ	J	Jack Wired R/C	AC
SC401	QSOCZ3043CEZZ	J	Socket, 30-pin (ST)	AG
SC3001	QSOCZ2058CEZZ	J	Socket, 20-pin (TO)	AG
SC3002	QSOCN0448FJZZ	J	Socket, 15-pin RGB IN-1	AM
SC3003	QSOCN0448FJZZ	J	Socket, 15-pin RGB IN-2	AM
SC3301	QSOCN0344FJZZ	J	Socket, 15-pin RGB Out	AM
SC3401	QSOCD0901CEZZ	J	Socket, 9-pin	AH
RMC5551	RRMCU0233CEZZ	J	R/C Receiver	AF
	PSLDM4579CEFW	J	Shield	AK
	QEARP0093CEFN	J	Earth Plate	AE

RUNTK0674CEZZ
INLET UNIT

PACKAGED CIRCUIT

Ref. No.	Part No.	★	Description	Code
⚠ TNR791	9FJ0F20001310	J	ENE471D10A	AD

COIL

Ref. No.	Part No.	★	Description	Code
⚠ L791	9FJ0L05001370	J	Inductor, 0.8mH(3.5A)	AN

CAPACITOR

Ref. No.	Part No.	★	Description	Code
⚠ C791	9FJ0C34010663	J	0.47 250V M.Polyester	AK

RESISTOR

Ref. No.	Part No.	★	Description	Code
⚠ R791	9FJ0R11002110	J	470k 1W Special	AC

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ F791	9FJ0E02110030	J	Fuse 6.3A 250V	AF
CN791	9FJ0G10003930	J	3-pin (PA), S2P3VH	AD
	9FJ0E09010010	J	Fuse Holder	AC
⚠	9FJ0G10004260	J	AC Inlet NC-174-10N-DL6-BL	AK

RDENC0304CEZZ

POWER UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ IC701	9FJ0F01901340	J	AN8027	AQ
IC702	9FJ0F01102285	J	UPC1093TE	AG
IC703	9FJ0F01102355	J	TA79L08F	AH
IC704	9FJ0F01102510	J	PQ1CG2032	AS
IC705	9FJ0F01102365	J	UPC1944T	AH
IC706	9FJ0F01001115	J	TA75358F	AH

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q701	9FJ0Q11001750	J	FS7KM18A	AS
Q702	9FJ0Q02001725	J	2SC4409	AE
Q703	9FJ0Q00001310	J	2SA1931	AH
Q704	9FJ0Q02001195	J	2SC2712YT	AC
Q705	9FJ0Q09001041	J	RN1401T	AC
Q706	9FJ0Q09001041	J	RN1401T	AC

DIODES

Ref. No.	Part No.	★	Description	Code
D701	9FJ0D01000360	J	Diode RG1C	AD
D702	9FJ0D01010085	J	Diode 1DL42A	AE
D703	9FJ0D01010195	J	Diode AU01V0	AD
D704	9FJ0D01010195	J	Diode AU01V0	AD
D705	9FJ0D00001005	J	Diode 1SS119T	AB
D706	9FJ0D01010195	J	Diode AU01V0	AD
D707	9FJ0D20001015	J	Diode 1SS184TE85	AC
D708	9FJ0D20001015	J	Diode 1SS184TE85	AC
D709	9FJ0D23010022	J	Diode FMX12S	AH
D710	9FJ0D24001200	J	Diode FMBG16L	AH
D711	9FJ0D23010022	J	Diode FMX12S	AH
D712	9FJ0D01010195	J	Diode AU01V0	AD
D713	9FJ0D20001015	J	Diode 1SS184TE85	AC
D714	9FJ0D04001030	J	Diode FMBG14L	AH
ZD701	9FJ0D31181695	J	Zener Diode RD24JSAB2TA	AC
ZD702	9FJ0D31181675	J	Zener Diode RD18JSAB2TA	AC
ZD705	9FJ0D31181655	J	Zener Diode RD15JSAB2TA	AD

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
⚠ PC701	9FJ0F10010931	J	Photo Coupler TLP721	AG
⚠ PC702	9FJ0F10010931	J	Photo Coupler TLP721	AG

COILS AND TRANSFORMER

Ref. No.	Part No.	★	Description	Code
L701	9FJ0L08001445	J	Inductor LHL08TB5R6M	AF
L702	9FJ0L08001445	J	Inductor LHL08TB5R6M	AF
L703	9FJ0L08001445	J	Inductor LHL08TB5R6M	AF
L704	9FJ0L08001660	J	Inductor 150µ	AG
B701	9FJ0L08001025	J	Inductor B-01-AT	AC
⚠ T701	9FJ0L00002080	J	Transformer	AT

CONTROLS

Ref. No.	Part No.	★	Description	Code
VR701	9FJ0R60001255	J	1k 1/10W	AE
VR704	9FJ0R61001535	J	500 1/10W	AF
VR705	9FJ0R61001535	J	500 1/10W	AF

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C701	9FJ0C50002910	J	4700p	500V	Ceramic	AE
⚠ C702	9FJ0C50010715	J	220p	1kV	Ceramic	AD
C703	9FJ0C50002015	J	0.01	50V	Ceramic	AB
C704	9FJ0C01510165	J	47	50V	Electrolytic	AC
C705	9FJ0C01510145	J	22	50V	Electrolytic	AC
C706	9FJ0C11001335	J	2200p	50V	M.Polyester	AB
C707	9FJ0C01510115	J	2.2	50V	Electrolytic	AC
C708	9FJ0C50003615	J	1500p	50V	Ceramic	AB
C709	9FJ0C50010705	J	470p	1kV	Ceramic	AD
C710	9FJ0C50002985	J	1000p	500V	Ceramic	AD
C711	9FJ0C01402183	J	820	35V	Electrolytic	AH
C712	9FJ0C01510165	J	47	50V	Electrolytic	AC
C713	9FJ0C50002985	J	1000p	500V	Ceramic	AD
C714	9FJ0C01101993	J	1800	10V	Electrolytic	AF
C715	9FJ0C01101993	J	1800	10V	Electrolytic	AF
C716	9FJ0C50002015	J	0.01	50V	Ceramic	AB
C717	9FJ0C01510165	J	47	50V	Electrolytic	AC
C719	9FJ0C01402193	J	470	35V	Electrolytic	AF
C720	9FJ0C01402193	J	470	35V	Electrolytic	AF
C721	9FJ0C01510165	J	47	50V	Electrolytic	AC
C722	9FJ0C01302085	J	470	25V	Electrolytic	AE
C723	9FJ0C01510165	J	47	50V	Electrolytic	AC
C724	9FJ0C50002635	J	0.047	50V	Ceramic	AC
C725	9FJ0C01101775	J	1000	10V	Electrolytic	AE
C726	9FJ0C50002015	J	0.01	50V	Ceramic	AB
C727	9FJ0C01101775	J	1000	10V	Electrolytic	AE
C728	9FJ0C50002635	J	0.047	50V	Ceramic	AC
⚠ C729	9FJ0C51001183	J	2200p	250V	Ceramic	AD
C730	9FJ0C50002635	J	0.047	50V	Ceramic	AC
C731	9FJ0C50003605	J	1000p	50V	Ceramic	AB
C732	9FJ0C01102005	J	220	10V	Electrolytic	AD

RESISTORS

Ref. No.	Part No.	★	Description			Code
R701	9FJ0R94201525	J	220k	1/2W	Chip	AC
R702	9FJ0R94201525	J	220k	1/2W	Chip	AC
R703	9FJ0R15080575	J	22	1/2W	Metal Oxide	AB
R704	9FJ0R15080735	J	100	1/2W	Metal Oxide	AB
R705	9FJ0R17071451	J	100k	2W	Metal Oxide	AC
R706	9FJ0R21001040	J	0.15	3W	Cement	AF
R707	9FJ0R91201235	J	820	1/10W	Chip	AB
R708	9FJ0R91201365	J	10k	1/10W	Chip	AB
R709	9FJ0R94201425	J	33k	1/2W	Chip	AC
R710	9FJ0R91201245	J	1.0k	1/10W	Chip	AB
R711	9FJ0R91201225	J	680	1/10W	Chip	AB
R712	9FJ0R91201285	J	2.2k	1/10W	Chip	AB
R713	9FJ0R91201335	J	5.6k	1/10W	Chip	AB
R714	9FJ0R91201305	J	3.3k	1/10W	Chip	AB
R715	9FJ0R91201325	J	4.7k	1/10W	Chip	AB
R716	9FJ0R91201365	J	10k	1/10W	Chip	AB
R717	9FJ0R91201135	J	120	1/10W	Chip	AB
R718	9FJ0R94201105	J	68	1/2W	Chip	AC
R719	9FJ0R91201245	J	1.0k	1/10W	Chip	AB
R720	9FJ0R91201005	J	10	1/10W	Chip	AB
R721	9FJ0R91201245	J	1.0k	1/10W	Chip	AB
R722	9FJ0R91201445	J	47k	1/10W	Chip	AB
R723	9FJ0R91201205	J	470	1/10W	Chip	AB
R724	9FJ0R91201285	J	2.2k	1/10W	Chip	AB
R725	9FJ0R91201365	J	10k	1/10W	Chip	AB
⚠ R727	9FJ0R16080095	J	0.22	1W	Metal Oxide	AB
R728	9FJ0R91201435	J	39k	1/10W	Chip	AB
R729	9FJ0R91201305	J	3.3k	1/10W	Chip	AB
R730	9FJ0R91201195	J	390	1/10W	Chip	AB
R731	9FJ0R91201165	J	220	1/10W	Chip	AB
R732	9FJ0R91201205	J	470	1/10W	Chip	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
⚠ TF701	9FJ0E03001080	J	Fuse 2A 250V, P100A	AE
	9FJ0G10011560	J	Connector, B3P4VH (PF)	AE
	9FJ0i10007100	J	Harness, X40SWE (EA)	AT
	9FJ0O00002360	J	Heat Sink	AH
	9FJ0O00002370	J	Heat Sink	AH
	9FJ0O00002380	J	Heat Sink	AL

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PFC UNIT

INTEGRATED CIRCUIT

Ref. No.	Part No.	★	Description	Code
IC751	9FJ0F01901385	J	FA5332M	AU

TRANSISTORS

Ref. No.	Part No.	★	Description	Code
Q751	9FJ0Q11001592	J	2SK2837	AU
Q752	9FJ0Q02001195	J	2SC2712YT	AC

DIODES

Ref. No.	Part No.	★	Description	Code
⚠ D751	9FJ0D13000160	J	Bridge Diode D5SB60	AK
D752	9FJ0D01001775	J	Diode U05NU44	AE
D753	9FJ0D01001775	J	Diode U05NU44	AE
D754	9FJ0D01001785	J	Diode UU1FW44L	AE
D755	9FJ0D01001775	J	Diode U05NU44	AE
D756	9FJ0D04001000	J	Diode D5L60	AG
TR751	9FJ0D41010110	J	TM1061SL	AK
ZD751	9FJ0D31103185	J	Zener Diode HZK27	AC

COILS

Ref. No.	Part No.	★	Description	Code
⚠ L751	9FJ0L05001420	J	TC25H1434R0	AM
⚠ L752	9FJ0L08001870	J	AFP10-46-100	AH
L753	9FJ0L08001860	J	800186	AS

CAPACITORS

Ref. No.	Part No.	★	Description	Code
⚠ C751	9FJ0C51001223	J	1000p 250V Ceramic	AD
⚠ C752	9FJ0C51001223	J	1000p 250V Ceramic	AD
⚠ C753	9FJ0C51001223	J	1000p 250V Ceramic	AD
C754	9FJ0C50004395	J	0.1 50V Ceramic	AD
⚠ C755	9FJ0C34010623	J	0.1 250V M.Polyester	AE
C756	9FJ0C50004365	J	0.15 25V Ceramic (Chip)	AC
C757	9FJ0C32401010	J	0.47 400V M.Polyester	AK
C758	9FJ0C32410040	J	2.2 400V M.Polyester	AN
C759	9FJ0C01402205	J	100 35V Electrolytic	AD
C760	9FJ0C50004365	J	0.15 25V Ceramic (Chip)	AC
C761	9FJ0C50011465	J	470p 50V Ceramic (Chip)	AC
C762	9FJ0C50002015	J	0.01 25V Ceramic (Chip)	AB
C763	9FJ0C50011465	J	470p 50V Ceramic (Chip)	AC
C764	9FJ0C50004375	J	68p 50V Ceramic (Chip)	AC
C765	9FJ0C50004365	J	0.15 25V Ceramic (Chip)	AC
C767	9FJ0C50002015	J	0.01 25V Ceramic (Chip)	AB
C768	9FJ0C02801633	J	150 420V Electrolytic	AS
C769	9FJ0C50003455	J	470p 50V Ceramic	AK
C770	9FJ0C50002015	J	0.01 25V Ceramic (Chip)	AB
C771	9FJ0C50004365	J	0.15 25V Ceramic (Chip)	AC
C772	9FJ0C32401010	J	0.47 400V M.Polyester	AK
C773	9FJ0C50004395	J	0.1 50V Ceramic	AD

RESISTORS

Ref. No.	Part No.	★	Description	Code
R751	9FJ0R11002110	J	470k 1W Special	AC
R752	9FJ0R94201045	J	10 1.6W Fuse Resistor	AC
⚠ R753	9FJ0R32001005	J	15M 1W Matal Glaze	AE
R754	9FJ0R91501055	J	330k 1/10W Chip	AB
R755	9FJ0R91501055	J	330k 1/10W Chip	AB
R756	9FJ0R91501055	J	330k 1/10W Chip	AB
R757	9FJ0R91501055	J	330k 1/10W Chip	AB
R758	9FJ0R91501015	J	7.5k 1/10W Chip	AB
R759	9FJ0R95201115	J	27k 1W Chip	AD
R760	9FJ0R95201115	J	27k 1W Chip	AD
R761	9FJ0R95201115	J	27k 1W Chip	AD
R762	9FJ0R95201115	J	27k 1W Chip	AD
R763	9FJ0R94201165	J	22 1/2W Chip	AC
R764	9FJ0R91201055	J	27 1/10W Chip	AB
R766	9FJ0R91201365	J	10k 1/10W Chip	AB
R767	9FJ0R91201405	J	22k 1/10W Chip	AB
R768	9FJ0R91201485	J	100k 1/10W Chip	AB
R769	9FJ0R94201005	J	10 1/2W Chip	AC
R770	9FJ0R94201005	J	10 1/2W Chip	AC
R771	9FJ0R91201455	J	56k 1/10W Chip	AB
R772	9FJ0R22001090	J	0.1 5W Cement	AF
R773	9FJ0R91201425	J	33k 1/10W Chip	AB
R774	9FJ0R91201565	J	470k 1/10W Chip	AB
R775	9FJ0R91201485	J	100k 1/10W Chip	AB
R776	9FJ0R91501055	J	330k 1/10W Chip	AB
R777	9FJ0R91501055	J	330k 1/10W Chip	AB
R778	9FJ0R91501055	J	330k 1/10W Chip	AB
R779	9FJ0R91501055	J	330k 1/10W Chip	AB
R780	9FJ0R91501005	J	5.6k 1/10W Chip	AB
R781	9FJ0R91501045	J	56k 1/10W Chip	AB
R782	9FJ0R91501055	J	330k 1/10W Chip	AB
R783	9FJ0R91501055	J	330k 1/10W Chip	AB
R784	9FJ0R91501055	J	330k 1/10W Chip	AB
R785	9FJ0R91501055	J	330k 1/10W Chip	AB
R786	9FJ0R91501005	J	5.6k 1/10W Chip	AB
R787	9FJ0R91501035	J	47k 1/10W Chip	AB
R788	9FJ0R94201165	J	220 1/2W Chip	AC
R789	9FJ0R17070491	J	10 2W Metal Oxide	AC
R790	9FJ0R91201245	J	1k 1/10W Chip	AB

MISCELLANEOUS PARTS

Ref. No.	Part No.	★	Description	Code
TF751	9FJ0E03001080	J	Fuse, PA100A	AE
	9FJ0G10001750	J	Connector, (PA)B2P3-VH	AE
	9FJ0i10007130	J	Harness	AQ
	9FJ0i10007140	J	Harness	AM
	9FJ0M41001190	J	DC Fan	AX

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PC I/F UNIT

INTEGRATED CIRCUITS

Ref. No.	Part No.	★	Description	Code
IC8001	RH-iX3270CEZZ	J	HD6417709	BH
IC8003	9DK001-11020	J	AT24C128N-10SC-1.8	AS
IC8006	9DK001-12055	J	TC7WH241FU	AN
IC8007	9DK001-15061	J	PST600IM	AL
IC8019	9DK001-15060	J	PST623XW	AP
IC8020	RH-iX3460CEZZQ	J	GMZ2A	BP
IC8022	9DK001-12086	J	74VHCT244AMT	AL
IC8024	9DK001-15053	J	TL431CPS	AL
IC8025	RH-iX3249CEN1	J	MB87J1101	BT
IC8027	RH-iX3439CEZZQ	J	LH28F320S3NS-L12	BK
IC8028	9DK001-11017	J	MSM51V18165D-60TS-K	BB
IC8029	RH-iX3250CEZZ	J	MB87J1110	BW
IC8035	9DK001-11021	J	NT56V1616A0T-7	BB
IC8038	9DK001-11021	J	NT56V1616A0T-7	BB
IC8039	9DK001-11021	J	NT56V1616A0T-7	BB
IC8046	9DK001-11021	J	NT56V1616A0T-7	BB
IC8048	RH-iX3293CEZZ	J	MBCG61394-106	BC
IC8051	9DK001-15065	J	CXD2309Q	BC
IC8052	9DK001-12055	J	TC7WH241FU	AN
IC8053	9DK001-12057	J	TC74LVX86FT	AM
IC8056	9DK001-12058	J	HD74LVC00T	AK
IC8600	9DK001-12068	J	SN74F153DB	AM
IC8601	9DK001-20026	J	UPA103G	BA
IC8603	9DK001-15038	J	PQ05TZ11	AR
IC8604	9DK001-15071	J	PQ20VZ11	AL
IC8606	9DK001-15076	J	CXA3516R	BR
IC8607	9DK001-12070	J	HD74HCT125T	AL
IC8608	9DK001-12055	J	TC7WH241FU	AN
IC8609	RH-iX3399CEZZ	J	IX3399	BM
IC8610	9DK001-12068	J	SN74F153DB	AM
IC8611	9DK001-15087	J	NJM2137V	AS

TRANSISTOR

Ref. No.	Part No.	★	Description	Code
Q8012	9DK001-20025	J	IMB3A	AE

DIODES

Ref. No.	Part No.	★	Description	Code
D8001	9DK001-30001	J	1SS193	AC
D8002	9DK001-30001	J	1SS193	AC
D8003	9DK001-30001	J	1SS193	AC
D8004	9DK001-30001	J	1SS193	AC
D8601	9DK001-30018	J	1SS187	AD
D8602	9DK001-30018	J	1SS187	AD

PACKAGED CIRCUITS

Ref. No.	Part No.	★	Description	Code
X8001	9DK001-80012	J	Crystal, 6MHz	AN
X8003	9DK001-80011	J	Crystal, 1.8432MHz	AS
X8004	9DK001-80013	J	Crystal, 22.165MHz	AN
X8005	9DK001-80014	J	Crystal, 16.25MHz	AN

FILTERS

Ref. No.	Part No.	★	Description	Code
FL8002	9DK001-82026	J	Filter, STS104B	AG
FL8003	9DK001-82026	J	Filter, STS104B	AG
FL8005	9DK001-82026	J	Filter, STS104B	AG
FL8006	9DK001-82026	J	Filter, STS104B	AG
FL8021	9DK001-82026	J	Filter, STS104B	AG
FL8022	9DK001-82026	J	Filter, STS104B	AG
FL8023	9DK001-82026	J	Filter, STS104B	AG
FL8026	9DK001-82026	J	Filter, STS104B	AG
FL8027	9DK001-82026	J	Filter, STS104B	AG
FL8028	9DK001-82026	J	Filter, STS104B	AG
FL8032	9DK001-82026	J	Filter, STS104B	AG
FL8034	9DK001-82026	J	Filter, STS104B	AG
FL8037	9DK001-82026	J	Filter, STS104B	AG
FL8039	9DK001-82026	J	Filter, STS104B	AG
FL8041	9DK001-82026	J	Filter, STS104B	AG
FL8048	9DK001-82026	J	Filter, STS104B	AG
FL8049	9DK001-82026	J	Filter, STS104B	AG
FL8051	9DK001-82026	J	Filter, STS104B	AG
FL8053	9DK001-82026	J	Filter, STS104B	AG
FL8054	9DK001-82026	J	Filter, STS104B	AG
FL8056	9DK001-82026	J	Filter, STS104B	AG
FL8057	9DK001-82026	J	Filter, STS104B	AG
FL8058	9DK001-82026	J	Filter, STS104B	AG
FL8600	9DK001-82026	J	Filter, STS104B	AG
FL8601	9DK001-82026	J	Filter, STS104B	AG
FL8602	9DK001-82026	J	Filter, STS104B	AG
FL8603	9DK001-82026	J	Filter, STS104B	AG
FL8604	9DK001-82026	J	Filter, STS104B	AG
FL8606	9DK001-82026	J	Filter, STS104B	AG

COILS

Ref. No.	Part No.	★	Description	Code
L600	9DK001-81052	J	Coil, 3.3µH	AG
L601	9DK001-81052	J	Coil, 3.3µH	AG
L602	9DK001-81052	J	Coil, 3.3µH	AG
L8603	9DK001-81052	J	Coil, 3.3µH	AG
L8604	9DK001-81050	J	Coil, 68µH	AG

CAPACITORS

Ref. No.	Part No.	★	Description			Code
C8001	9DK001-42094	J	0.1	25V	Ceramic	AC
C8002	9DK001-42094	J	0.1	25V	Ceramic	AC
C8006	9DK001-42096	J	0.01	50V	Ceramic	AC
C8009	9DK001-42096	J	0.01	50V	Ceramic	AC
C8012	9DK001-42103	J	15p	50V	Ceramic	AC
C8013	9DK001-42103	J	15p	50V	Ceramic	AC
C8019	9DK001-42104	J	470p	50V	Ceramic	AC
C8020	9DK001-42104	J	470p	50V	Ceramic	AC
C8021	9DK001-42096	J	0.01	50V	Ceramic	AC
C8022	9DK001-42096	J	0.01	50V	Ceramic	AC
C8026	9DK001-42096	J	0.01	50V	Ceramic	AC
C8028	9DK001-42096	J	0.01	50V	Ceramic	AC
C8029	9DK001-42096	J	0.01	50V	Ceramic	AC
C8030	9DK001-42105	J	0.047	50V	Ceramic	AC
C8031	9DK001-42094	J	0.1	25V	Ceramic	AC
C8035	9DK001-42096	J	0.01	50V	Ceramic	AC
C8039	9DK001-42094	J	0.1	25V	Ceramic	AC
C8042	9DK001-42096	J	0.01	50V	Ceramic	AC
C8043	9DK001-42096	J	0.01	50V	Ceramic	AC
C8052	9DK001-42096	J	0.01	50V	Ceramic	AC
C8053	9DK001-42096	J	0.01	50V	Ceramic	AC
C8170	9DK001-42096	J	0.01	50V	Ceramic	AC
C8176	9DK001-42096	J	0.01	50V	Ceramic	AC
C8177	9DK001-42096	J	0.01	50V	Ceramic	AC
C8178	9DK001-42096	J	0.01	50V	Ceramic	AC
C8181	9DK001-42096	J	0.01	50V	Ceramic	AC
C8182	9DK001-42096	J	0.01	50V	Ceramic	AC
C8185	9DK001-42096	J	0.01	50V	Ceramic	AC
C8190	9DK001-42096	J	0.01	50V	Ceramic	AC
C8191	9DK001-42096	J	0.01	50V	Ceramic	AC
C8192	9DK001-42096	J	0.01	50V	Ceramic	AC
C8196	9DK001-42096	J	0.01	50V	Ceramic	AC
C8198	9DK001-42096	J	0.01	50V	Ceramic	AC
C8207	9DK001-42096	J	0.01	50V	Ceramic	AC
C8211	9DK001-42096	J	0.01	50V	Ceramic	AC
C8213	9DK001-42096	J	0.01	50V	Ceramic	AC
C8216	9DK001-42103	J	15p	50V	Ceramic	AC
C8217	9DK001-42096	J	0.01	50V	Ceramic	AC
C8220	9DK001-42103	J	15p	50V	Ceramic	AC
C8223	9DK001-42096	J	0.01	50V	Ceramic	AC
C8228	9DK001-42096	J	0.01	50V	Ceramic	AC
C8230	9DK001-42096	J	0.01	50V	Ceramic	AC
C8231	9DK001-42096	J	0.01	50V	Ceramic	AC
C8233	9DK001-42096	J	0.01	50V	Ceramic	AC
C8247	9DK001-42096	J	0.01	50V	Ceramic	AC
C8250	9DK001-42096	J	0.01	50V	Ceramic	AC
C8252	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8255	9DK001-40092	J	220	4V	Electrolytic	AF
C8257	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8259	9DK001-42103	J	15p	50V	Ceramic	AC
C8265	9DK001-42103	J	15p	50V	Ceramic	AC
C8266	9DK001-42096	J	0.01	50V	Ceramic	AC
C8268	9DK001-42096	J	0.01	50V	Ceramic	AC
C8273	9DK001-42096	J	0.01	50V	Ceramic	AC
C8281	9DK001-42096	J	0.01	50V	Ceramic	AC
C8283	9DK001-42096	J	0.01	50V	Ceramic	AC
C8284	9DK001-42096	J	0.01	50V	Ceramic	AC

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PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description			Code
C8285	9DK001-42096	J	0.01	50V	Ceramic	AC
C8297	9DK001-42096	J	0.01	50V	Ceramic	AC
C8301	9DK001-42096	J	0.01	50V	Ceramic	AC
C8305	9DK001-42096	J	0.01	50V	Ceramic	AC
C8309	9DK001-42096	J	0.01	50V	Ceramic	AC
C8317	9DK001-42096	J	0.01	50V	Ceramic	AC
C8325	9DK001-42096	J	0.01	50V	Ceramic	AC
C8328	9DK001-42096	J	0.01	50V	Ceramic	AC
C8329	9DK001-42096	J	0.01	50V	Ceramic	AC
C8330	9DK001-42096	J	0.01	50V	Ceramic	AC
C8332	9DK001-42096	J	0.01	50V	Ceramic	AC
C8341	9DK001-42094	J	0.1	25V	Ceramic	AC
C8342	9DK001-42111	J	1	10V	Ceramic	AB
C8343	9DK001-42094	J	0.1	25V	Ceramic	AC
C8344	9DK001-40077	J	10	16V	Electrolytic	AF
C8349	9DK001-42096	J	0.01	50V	Ceramic	AC
C8355	9DK001-42101	J	220p	50V	Ceramic	AC
C8361	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8366	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8367	9DK001-40092	J	220	4V	Electrolytic	AF
C8368	9DK001-40090	J	47	4V	Electrolytic	AF
C8369	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8370	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8371	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8372	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8373	9DK001-40090	J	47	4V	Electrolytic	AF
C8374	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8375	9DK001-40092	J	220	4V	Electrolytic	AF
C8376	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8378	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8379	9DK001-40080	J	100	6.3V	Electrolytic	AF
C8425	9DK001-42096	J	0.01	50V	Ceramic	AC
C8432	9DK001-42103	J	15p	50V	Ceramic	AC
C8460	9DK001-42094	J	0.1	25V	Ceramic	AC
C8470	9DK001-42096	J	0.01	50V	Ceramic	AC
C8471	9DK001-42096	J	0.01	50V	Ceramic	AC
C8472	9DK001-42096	J	0.01	50V	Ceramic	AC
C8600	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8602	9DK001-42113	J	4.7	10V	Ceramic	AB
C8603	9DK001-42094	J	0.1	25V	Ceramic	AC
C8604	9DK001-42094	J	0.1	25V	Ceramic	AC
C8605	9DK001-42094	J	0.1	25V	Ceramic	AC
C8606	9DK001-42108	J	5p	50V	Ceramic	AB
C8607	9DK001-42108	J	5p	50V	Ceramic	AB
C8608	9DK001-40079	J	47	16V	Electrolytic	AG
C8610	9DK001-40079	J	47	16V	Electrolytic	AG
C8612	9DK001-40079	J	47	16V	Electrolytic	AG
C8613	9DK001-42096	J	0.01	50V	Ceramic	AC
C8614	9DK001-40079	J	47	16V	Electrolytic	AG
C8616	9DK001-43018	J	10	16V	Tantalum	AH
C8617	9DK001-42094	J	0.1	25V	Ceramic	AC
C8620	9DK001-43018	J	10	16V	Tantalum	AH
C8621	9DK001-42094	J	0.1	25V	Ceramic	AC
C8623	9DK001-43018	J	10	16V	Tantalum	AH
C8624	9DK001-42094	J	0.1	25V	Ceramic	AC
C8625	9DK001-42094	J	0.1	25V	Ceramic	AC
C8626	9DK001-40079	J	47	16V	Electrolytic	AG
C8627	9DK001-42094	J	0.1	25V	Ceramic	AC
C8630	9DK001-42096	J	0.01	50V	Ceramic	AC
C8631	9DK001-42094	J	0.1	25V	Ceramic	AC
C8632	9DK001-42125	J	0.068	16V	Film	AM
C8633	9DK001-42111	J	1	10V	Ceramic	AB
C8634	9DK001-42124	J	680p	25V	Ceramic	AC
C8635	9DK001-42099	J	100p	50V	Ceramic	AC
C8636	9DK001-42099	J	100p	50V	Ceramic	AC
C8637	9DK001-42111	J	1	10V	Ceramic	AB
C8638	9DK001-42094	J	0.1	25V	Ceramic	AC
C8640	9DK001-42111	J	1	10V	Ceramic	AB
C8641	9DK001-42094	J	0.1	25V	Ceramic	AC
C8642	9DK001-42094	J	0.1	25V	Ceramic	AC
C8645	9DK001-42094	J	0.1	25V	Ceramic	AC
C8646	9DK001-42094	J	0.1	25V	Ceramic	AC
C8647	9DK001-42096	J	0.01	50V	Ceramic	AC
C8648	9DK001-40079	J	47	16V	Electrolytic	AG
C8649	9DK001-42094	J	0.1	25V	Ceramic	AC
C8650	9DK001-42094	J	0.1	25V	Ceramic	AC
C8651	9DK001-42096	J	0.01	50V	Ceramic	AC
C8652	9DK001-42094	J	0.1	25V	Ceramic	AC
C8653	9DK001-42111	J	1	10V	Ceramic	AB
C8654	9DK001-42111	J	1	10V	Ceramic	AB
C8656	9DK001-42094	J	0.1	25V	Ceramic	AC
C8662	9DK001-42094	J	0.1	25V	Ceramic	AC
C8672	9DK001-42096	J	0.01	50V	Ceramic	AC
C8674	9DK001-42096	J	0.01	50V	Ceramic	AC
C8677	9DK001-42129	J	0.01	16V	Film	AL
C8679	9DK001-42096	J	0.01	50V	Ceramic	AC
C8684	9DK001-40089	J	47	6.3V	Electrolytic	AE
C8685	9DK001-42096	J	0.01	50V	Ceramic	AC
C8692	9DK001-42096	J	0.01	50V	Ceramic	AC
C8694	9DK001-42096	J	0.01	50V	Ceramic	AC
C8695	9DK001-42096	J	0.01	50V	Ceramic	AC
C8698	9DK001-42096	J	0.01	50V	Ceramic	AC
C8701	9DK001-40091	J	100	4V	Electrolytic	AF
C8702	9DK001-43018	J	10	16V	Tantalum	AH
C8703	9DK001-43018	J	10	16V	Tantalum	AH
C8704	9DK001-43018	J	10	16V	Tantalum	AH
C8705	9DK001-42094	J	0.1	25V	Ceramic	AC
C8706	9DK001-42111	J	1	10V	Ceramic	AB
C8707	9DK001-42094	J	0.1	25V	Ceramic	AC
C8708	9DK001-42099	J	100p	50V	Ceramic	AC

RESISTORS

Ref. No.	Part No.	★	Description			Code
FB8001	9DK001-50267	J	33	1/16W	Chip1608	AD
FB8002	9DK001-50267	J	33	1/16W	Chip1608	AD
FB8003	9DK001-50267	J	33	1/16W	Chip1608	AD
FL8001	9DK001-50110	J	0	1/10W	Chip2125	AB
FL8024	9DK001-50110	J	0	1/10W	Chip2125	AB
FL8025	9DK001-50110	J	0	1/10W	Chip2125	AB
FL8033	9DK001-50110	J	0	1/10W	Chip2125	AB
FL8038	9DK001-50110	J	0	1/10W	Chip2125	AB
FL8043	9DK001-50110	J	0	1/10W	Chip2125	AB
FL8044	9DK001-50110	J	0	1/10W	Chip2125	AB
FL8045	9DK001-50110	J	0	1/10W	Chip2125	AB
FL8046	9DK001-50110	J	0	1/10W	Chip2125	AB
FL8605	9DK001-50110	J	0	1/10W	Chip2125	AB
R8001	9DK001-50165	J	100	1/16W	Chip1608	AA
R8002	9DK001-50165	J	100	1/16W	Chip1608	AA
R8003	9DK001-50165	J	100	1/16W	Chip1608	AA
R8004	9DK001-50165	J	100	1/16W	Chip1608	AA
R8005	9DK001-50163	J	68	1/16W	Chip1608	AA
R8006	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8007	9DK001-50209	J	27k	1/16W	Chip1608	AA
R8009	9DK001-50204	J	150	1/16W	Chip1608	AA
R8011	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8012	9DK001-50207	J	6.8k	1/16W	Chip1608	AA
R8013	9DK001-50207	J	6.8k	1/16W	Chip1608	AA
R8014	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8015	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8016	9DK001-50198	J	1.69k	1/16W	Chip1608	AB
R8017	9DK001-50185	J	10k	1/16W	Chip1608	AA
R8018	9DK001-50199	J	2.15k	1/16W	Chip1608	AB
R8019	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8022	9DK001-50185	J	10k	1/16W	Chip1608	AA
R8023	9DK001-50185	J	10k	1/16W	Chip1608	AA
R8027	9DK001-50209	J	27k	1/16W	Chip1608	AA
R8028	9DK001-50183	J	4.7k	1/16W	Chip1608	AA
R8033	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8034	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8035	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8036	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8040	9DK001-50163	J	68	1/16W	Chip1608	AA
R8043	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8044	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8050	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8051	9DK001-51030	J	10k	1/16W	Resistor Array	AD
R8057	9DK001-51030	J	10k	1/16W	Resistor Array	AD

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PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R8058	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8061	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8065	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8066	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8071	9DK001-50159	J	22 1/16W Chip1608	AA
R8072	9DK001-50159	J	22 1/16W Chip1608	AA
R8097	9DK001-50162	J	56 1/16W Chip1608	AA
R8100	9DK001-50162	J	56 1/16W Chip1608	AA
R8104	9DK001-50162	J	56 1/16W Chip1608	AA
R8107	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8114	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8116	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8117	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8155	9DK001-50150	J	10 1/16W Chip1608	AA
R8156	9DK001-50150	J	10 1/16W Chip1608	AA
R8157	9DK001-50167	J	180 1/16W Chip1608	AA
R8158	9DK001-50163	J	68 1/16W Chip1608	AA
R8159	9DK001-50167	J	180 1/16W Chip1608	AA
R8160	9DK001-50163	J	68 1/16W Chip1608	AA
R8162	9DK001-50163	J	68 1/16W Chip1608	AA
R8164	9DK001-50150	J	10 1/16W Chip1608	AA
R8167	9DK001-50159	J	22 1/16W Chip1608	AA
R8168	9DK001-50159	J	22 1/16W Chip1608	AA
R8169	9DK001-50159	J	22 1/16W Chip1608	AA
R8170	9DK001-50159	J	22 1/16W Chip1608	AA
R8172	9DK001-50201	J	15 1/16W Chip1608	AA
R8176	9DK001-50150	J	10 1/16W Chip1608	AA
R8180	9DK001-50159	J	22 1/16W Chip1608	AA
R8181	9DK001-50159	J	22 1/16W Chip1608	AA
R8182	9DK001-50159	J	22 1/16W Chip1608	AA
R8183	9DK001-50159	J	22 1/16W Chip1608	AA
R8185	9DK001-50165	J	100 1/16W Chip1608	AA
R8186	9DK001-50204	J	150 1/16W Chip1608	AA
R8187	9DK001-50203	J	62 1/16W Chip1608	AA
R8191	9DK001-50159	J	22 1/16W Chip1608	AA
R8193	9DK001-50159	J	22 1/16W Chip1608	AA
R8194	9DK001-50159	J	22 1/16W Chip1608	AA
R8195	9DK001-50159	J	22 1/16W Chip1608	AA
R8197	9DK001-50190	J	1M 1/16W Chip1608	AA
R8202	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8203	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8204	9DK001-50159	J	22 1/16W Chip1608	AA
R8205	9DK001-50159	J	22 1/16W Chip1608	AA
R8206	9DK001-50159	J	22 1/16W Chip1608	AA
R8207	9DK001-50185	J	10k 1/16W Chip1608	AA
R8209	9DK001-50185	J	10k 1/16W Chip1608	AA
R8210	9DK001-50173	J	470 1/16W Chip1608	AA
R8211	9DK001-50205	J	1.8k 1/16W Chip1608	AA
R8215	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8216	9DK001-50150	J	10 1/16W Chip1608	AA
R8217	9DK001-50149	J	0 1/16W Chip1608	AB
R8218	9DK001-50164	J	82 1/16W Chip1608	AA
R8219	9DK001-50165	J	100 1/16W Chip1608	AA
R8220	9DK001-50185	J	10k 1/16W Chip1608	AA
R8221	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8222	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8223	9DK001-50185	J	10k 1/16W Chip1608	AA
R8224	9DK001-50185	J	10k 1/16W Chip1608	AA
R8227	9DK001-50190	J	1M 1/16W Chip1608	AA
R8228	9DK001-50150	J	10 1/16W Chip1608	AA
R8229	9DK001-50150	J	10 1/16W Chip1608	AA
R8230	9DK001-50150	J	10 1/16W Chip1608	AA
R8231	9DK001-50165	J	100 1/16W Chip1608	AA
R8232	9DK001-50203	J	62 1/16W Chip1608	AA
R8233	9DK001-50204	J	150 1/16W Chip1608	AA
R8235	9DK001-50150	J	10 1/16W Chip1608	AA
R8239	9DK001-50169	J	220 1/16W Chip1608	AA
R8240	9DK001-50185	J	10k 1/16W Chip1608	AA
R8246	9DK001-50185	J	10k 1/16W Chip1608	AA
R8251	9DK001-50159	J	22 1/16W Chip1608	AA
R8252	9DK001-50159	J	22 1/16W Chip1608	AA
R8253	9DK001-50159	J	22 1/16W Chip1608	AA
R8254	9DK001-50159	J	22 1/16W Chip1608	AA
R8255	9DK001-50159	J	22 1/16W Chip1608	AA
R8257	9DK001-50185	J	10k 1/16W Chip1608	AA
R8264	9DK001-50162	J	56 1/16W Chip1608	AA
R8267	9DK001-50162	J	56 1/16W Chip1608	AA
R8272	9DK001-50263	J	1k 1/4W Chip3216	AB
R8276	9DK001-50155	J	3k 1/16W Chip1608	AB
R8278	9DK001-50162	J	56 1/16W Chip1608	AA
R8279	9DK001-50162	J	56 1/16W Chip1608	AA
R8280	9DK001-50165	J	100 1/16W Chip1608	AA
R8281	9DK001-50222	j	1.3k 1/16W Chip1608	AB
R8282	9DK001-50165	J	100 1/16W Chip1608	AA
R8289	9DK001-50207	J	6.8k 1/16W Chip1608	AA
R8290	9DK001-50165	J	100 1/16W Chip1608	AA
R8295	9DK001-50185	J	10k 1/16W Chip1608	AA
R8297	9DK001-50162	J	56 1/16W Chip1608	AA
R8298	9DK001-51030	J	10k 1/16W Resistor Array	AD
R8299	9DK001-50162	J	56 1/16W Chip1608	AA
R8300	9DK001-50185	J	10k 1/16W Chip1608	AA
R8301	9DK001-50185	J	10k 1/16W Chip1608	AA
R8302	9DK001-50264	J	680 1/16W Chip1608	AD
R8304	9DK001-50185	J	10k 1/16W Chip1608	AA
R8305	9DK001-50185	J	10k 1/16W Chip1608	AA
R8307	9DK001-50162	J	56 1/16W Chip1608	AA
R8309	9DK001-50162	J	56 1/16W Chip1608	AA
R8316	9DK001-50185	J	10k 1/16W Chip1608	AA
R8318	9DK001-50185	J	10k 1/16W Chip1608	AA
R8319	9DK001-50169	J	220 1/16W Chip1608	AA
R8320	9DK001-50149	J	0 1/16W Chip1608	AB
R8321	9DK001-50173	J	470 1/16W Chip1608	AA
R8322	9DK001-50205	J	1.8k 1/16W Chip1608	AA
R8323	9DK001-50150	J	10 1/16W Chip1608	AA
R8325	9DK001-50150	J	10 1/16W Chip1608	AA
R8326	9DK001-50150	J	10 1/16W Chip1608	AA
R8327	9DK001-50150	J	10 1/16W Chip1608	AA
R8328	9DK001-50150	J	10 1/16W Chip1608	AA
R8329	9DK001-50162	J	56 1/16W Chip1608	AA
R8330	9DK001-50165	J	100 1/16W Chip1608	AA
R8339	9DK001-50185	J	10k 1/16W Chip1608	AA
R8340	9DK001-50185	J	10k 1/16W Chip1608	AA
R8341	9DK001-50150	J	10 1/16W Chip1608	AA
R8342	9DK001-50150	J	10 1/16W Chip1608	AA
R8343	9DK001-50159	J	22 1/16W Chip1608	AA
R8344	9DK001-50185	J	10k 1/16W Chip1608	AA
R8345	9DK001-50185	J	10k 1/16W Chip1608	AA
R8348	9DK001-50149	J	0 1/16W Chip1608	AB
R8353	9DK001-50149	J	0 1/16W Chip1608	AB
R8362	9DK001-50162	J	56 1/16W Chip1608	AA
R8363	9DK001-50162	J	56 1/16W Chip1608	AA
R8364	9DK001-50162	J	56 1/16W Chip1608	AA
R8365	9DK001-50162	J	56 1/16W Chip1608	AA
R8366	9DK001-50162	J	56 1/16W Chip1608	AA
R8367	9DK001-50162	J	56 1/16W Chip1608	AA
R8368	9DK001-50162	J	56 1/16W Chip1608	AA
R8369	9DK001-50162	J	56 1/16W Chip1608	AA
R8370	9DK001-50162	J	56 1/16W Chip1608	AA
R8447	9DK001-50150	J	10 1/16W Chip1608	AA
R8448	9DK001-50150	J	10 1/16W Chip1608	AA
R8456	9DK001-50185	J	10k 1/16W Chip1608	AA
R8465	9DK001-50110	J	0 1/10W Chip2125	AB
R8466	9DK001-50110	J	0 1/10W Chip2125	AB
R8471	9DK001-50110	J	0 1/10W Chip2125	AB
R8472	9DK001-50110	J	0 1/10W Chip2125	AB
R8481	9DK001-50149	J	0 1/16W Chip1608	AB
R8489	9DK001-50149	J	0 1/16W Chip1608	AB
R8600	9DK001-50185	J	10k 1/16W Chip1608	AA
R8601	9DK001-50110	J	0 1/10W Chip2125	AB
R8603	9DK001-50216	J	360 1/16W Chip1608	AA
R8604	9DK001-50162	J	56 1/16W Chip1608	AA
R8605	9DK001-50165	J	100 1/16W Chip1608	AA
R8606	9DK001-50163	J	68 1/16W Chip1608	AA
R8607	9DK001-50185	J	10k 1/16W Chip1608	AA
R8608	9DK001-50161	J	47 1/16W Chip1608	AA
R8609	9DK001-50161	J	47 1/16W Chip1608	AA

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PC I/F UNIT (Continued)

Ref. No.	Part No.	★	Description	Code
R8610	9DK001-50165	J	100 1/16W Chip1608	AA
R8611	9DK001-50176	J	820 1/16W Chip1608	AA
R8612	9DK001-50176	J	820 1/16W Chip1608	AA
R8613	9DK001-50204	J	150 1/16W Chip1608	AA
R8614	9DK001-50204	J	150 1/16W Chip1608	AA
R8615	9DK001-50176	J	820 1/16W Chip1608	AA
R8616	9DK001-50176	J	820 1/16W Chip1608	AA
R8620	9DK001-50159	J	22 1/16W Chip1608	AA
R8621	9DK001-50203	J	62 1/16W Chip1608	AA
R8623	9DK001-50159	J	22 1/16W Chip1608	AA
R8624	9DK001-50203	J	62 1/16W Chip1608	AA
R8625	9DK001-50176	J	820 1/16W Chip1608	AA
R8627	9DK001-50159	J	22 1/16W Chip1608	AA
R8628	9DK001-50203	J	62 1/16W Chip1608	AA
R8629	9DK001-50256	J	1.6k 1/16W Chip1608	AB
R8630	9DK001-50237	J	1k 1/16W Chip1608	AA
R8632	9DK001-50155	J	3k 1/16W Chip1608	AB
R8635	9DK001-50155	J	3k 1/16W Chip1608	AB
R8637	9DK001-50149	J	0 1/16W Chip1608	AB
R8639	9DK001-50149	J	0 1/16W Chip1608	AB
R8640	9DK001-50210	J	33k 1/16W Chip1608	AA
R8641	9DK001-50210	J	33k 1/16W Chip1608	AA
R8642	9DK001-50150	J	10 1/16W Chip1608	AA
R8643	9DK001-50150	J	10 1/16W Chip1608	AA
R8644	9DK001-50149	J	0 1/16W Chip1608	AB
R8645	9DK001-50185	J	10k 1/16W Chip1608	AA
R8648	9DK001-50159	J	22 1/16W Chip1608	AA
R8649	9DK001-50159	J	22 1/16W Chip1608	AA
R8650	9DK001-50159	J	22 1/16W Chip1608	AA
R8651	9DK001-50159	J	22 1/16W Chip1608	AA
R8672	9DK001-50185	J	10k 1/16W Chip1608	AA
R8673	9DK001-50257	J	75 1/16W Chip1608	AA
R8674	9DK001-50218	J	20k 1/16W Chip1608	AA
R8675	9DK001-50150	J	10 1/16W Chip1608	AA
R8680	9DK001-50185	J	10k 1/16W Chip1608	AA
R8683	9DK001-50266	J	13 1/10W Chip2125	AA
R8684	9DK001-50266	J	13 1/10W Chip2125	AA
R8685	9DK001-50266	J	13 1/10W Chip2125	AA
R8687	9DK001-50159	J	22 1/16W Chip1608	AA
R8688	9DK001-50173	J	470 1/16W Chip1608	AA
R8689	9DK001-50165	J	100 1/16W Chip1608	AA
R8690	9DK001-50177	J	1k 1/16W Chip1608	AA
R8691	9DK001-50177	J	1k 1/16W Chip1608	AA

SWITCH

S8001	9DK001-70012	J	Switch SSSS812-B-2B	AL

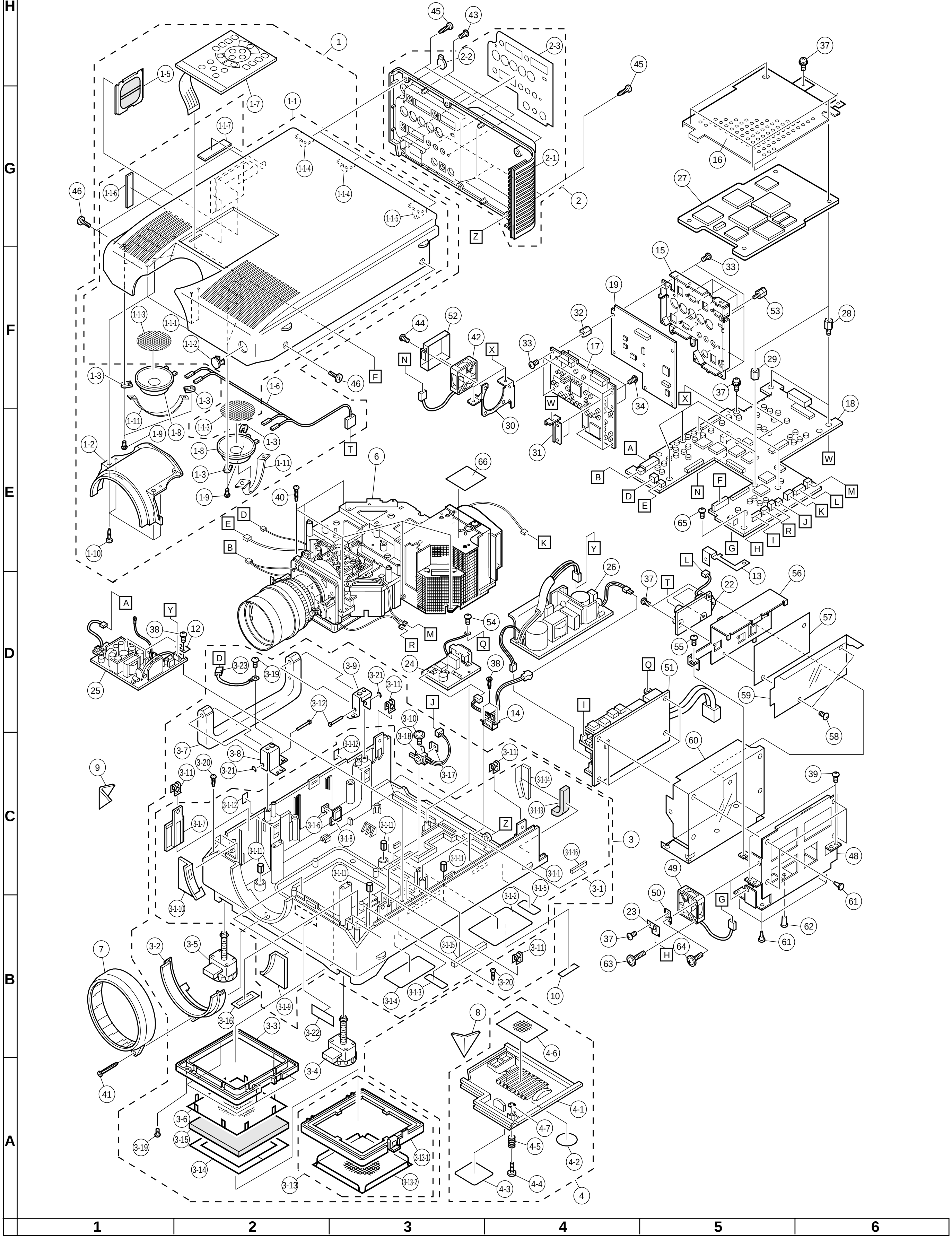
MISCELLANEOUS PARTS

P8404	9DK001-60038	J	Connector, 60-pin	AR
P8405	9DK001-60038	J	Connector, 60-pin	AR
P8502	9DK001-60038	J	Connector, 60-pin	AR
TP8004	9DK001-84014	J	Lug, Test Point	AE
TP8005	9DK001-84014	J	Lug, Test Point	AE
TP8006	9DK001-84014	J	Lug, Test Point	AE
TP8007	9DK001-84014	J	Lug, Test Point	AE
TP8082	9DK001-84014	J	Lug, Test Point	AE
TP8083	9DK001-84014	J	Lug, Test Point	AE

CABINET AND MECHANICAL PARTS

Ref. No.	Part No.	★	Description	Code
1	*Not Available*	–	Top Cabinet Ass'y	—
1-1	DBDYT1190CE01	J	Top Cabinet Ass'y	BP
1-1-1	*Not Available*	–	Top Cabinet	—
1-1-2	GCOVA1823CESA	J	R/C Cover, Front	AD
1-1-3	GNETC0163CEZZ	J	Speaker Net, x2	AE
1-1-4	LHLDZ2127CEKZ	J	Holder (S), x2	AD
1-1-5	LHLDZ2128CEKZ	J	Holder (L)	AD
1-1-6	PMLT-0345CEZZ	J	Spacer (for PC Fan)	AB
1-1-7	PMLT-0346CEZZ	J	Spacer (for PC Fan)	AB
1-2	GCOVA1819CEKA	J	Lens Cover (Top)	AH
1-3	LANGS0123CEFW	J	Speaker Angle, x4	AD
1-5	PFiLD0084CEZZ	J	Side Filter	AK
1-6	QCNW-5308CEZZ	J	Speaker Lead Wire	AG
1-7	QSW-Z0527CEZZ	J	Operation Key Unit	BB
1-8	VSP0050P-M88A	J	Speaker, x2	AN
1-9	XEPSD30P10000	J	Screw, x4	AA
1-10	XEPSD30P12000	J	Screw, x4	AA
1-11	LHLDZ9155CEZZ	J	Speaker Holder, x2	AD
2	DBDYR1095CE01	J	Rear Cabinet Ass'y	BE
2-1	*Not Available*	–	Rear Cabinet	—
2-2	GCOVA1824CESA	J	R/C Cover, Rear	AD
2-3	HiNDP5601CESA	J	Terminal Indication	AH
3	*Not Available*	–	Bottom Cabinet Ass'y	—
3-1	DBDYU1119CE01	J	Bottom Cabinet Ass'y (for Europe)	BR
3-1	DBDYU1119CE02	J	Bottom Cabinet Ass'y (for Australia)	BR
3-1-1	*Not Available*	–	Bottom Cabinet	—
3-1-2	HiNDP5703CEZZ	J	Model Label (for Europe)	
3-1-2	HiNDP5639CEZZ	J	Model Label (for Australia)	AE
3-1-3	HiNDP5371CESD	J	AC Indication (ENGLISH)	AC
3-1-4	HiNDP5620CESA	J	Caution Label	AD
3-1-5	HiNDP5399CESD	J	AC Indication (FRENCH)	AC
3-1-6	LANGF2134CEFW	J	Angle, for K. Lock	AE
3-1-7	LHLDZ2074CEKZ	J	Holder	AD
3-1-8	LHLDZ2077CEKZ	J	Cover, for K. Lock	AD
3-1-9	LHLDZ2126CEKZ	J	Lens Holder (A)	AE
3-1-10	LHLDZ2129CEKZ	J	Lens Holder (B)	AE
3-1-11	LX-NZ3144CEFW	J	Nut, x4	AC
3-1-12	PSPAT0038CEZZ	J	Tefron Tape, for Handle, x2	AC
3-1-13	PSPAZ0320CEZZ	J	Spacer	AC
3-1-14	PSPAZ0322CEZZ	J	Heat Cover	AE
3-1-15	PSPAZ0323CEZZ	J	Spacer, Side (F)	AD
3-1-16	PSPAZ0391CEZZ	J	Spacer, Side (R)	AB
3-2	GCOVA1821CEKA	J	Lens Cover (Bottom)	AG
3-3	GCOVH1321CEKA	J	Inner Filter Frame	AG
3-4	GLEGP1020CEKA	J	Adjuster-Right	AV
3-5	GLEGP3019CEKA	J	Adjuster-Left	AV
3-6	HPNC-0424CESA	J	Intake Punching	AH
3-7	JHNDA1037CESF	J	Handle	AP
3-8	LANGF9541CEFW	J	Angle-A, for Handle	AF
3-9	LANGF9542CEFW	J	Angle-B, for Handle	AE
3-10	LX-HZ3106CEFD	J	Screw	AB
3-11	LX-NZ3155CEFF	J	Speed Nut, x4	AF
3-12	NSFTH0016CE00	J	Handle Shaft, x2	AD
3-13	CCOVA1664CE08	J	Intake Cover Ass'y	AQ
3-13-1	*Not Available*	–	Intake Cover	—
3-13-2	HPNC-0410CESG	J	Intake Cover Punching	AK
3-14	PCOVM9029CEKZ	J	Dust Cover	AD
3-15	PFiLD0079CEZZ	J	Intake Air Filter	AD
3-16	PFiLD0115CEZZ	J	Bottom Filter	AC
3-17	PZETK0072CEKZ	J	Leaf Switch Barrier	AB
3-18	QCNW-5351CEZZ	J	Leaf Switch	AH
3-19	XEBSD30P10000	J	Screw, x5	AA
3-20	XEBSD30P14000	J	Screw, x8	AA
3-21	XRESJ30-06000	J	E-Ring, x2	AA
3-22	HINDP5405CESA	J	Lens Caution Label	AE
3-23	RH-HZ0055CEZZ	J	Sensor	AM
4	CCOVA1818CE06	J	Lamp Cage Cover Ass'y	AX
4-1	*Not Available*	–	Lamp Cage Cover	—
4-2	GCOVH1322CESA	J	Cap	AF
4-3	HiNDP5398CESD	J	Coution Label	AD
4-4	LX-BZ1009CEFN	J	Screw	AC
4-5	MSPRC0202CEFW	J	Spring	AB
4-6	PCOVM1018CEKZ	J	Dust Cover	AF
4-7	XRESJ30-06000	J	E-Ring	AA
6	*Refer to Optics Mechanism Parts*			
7	GCOVA1820CEKA	J	Lens Cover (Middle)	AH
8	GCOVA1848CESB	J	Cover (R)	AF
9	GCOVA1847CESB	J	Cover (L)	AM
10	TLABN0246CEZZ	J	Serial No.Label (for Europe)	AD
10	TLABN0247CEZZ	J	Serial No.Label (for Australia)	AD
12	PZETK0071CEKZ	J	Shield	AC
13	QEARP0099CEFW	J	Angle	AF
14	QCNW-5352CEZZ	J	AC Power Switch	AV
15	PSLDM4579CEFW	J	Sheild	AK
16	PSLDM4626CEFW	J	Sheild	AF
17	*Not Available*	–	Signal Unit	—
18	*Not Available*	–	Output Unit	—
19	*Not Available*	–	Terminal Unit	—
22	*Not Available*	–	Sound Out Unit	—
23	*Not Available*	–	R/C Receiver Unit	—
24	*Not Available*	–	Inlet Unit	—
25	*Not Available*	–	Power Unit	—
26	*Not Available*	–	PFC Unit	—
27	*Not Available*	–	PC I/F Unit	—
28	NSFTZ0106CEFW	J	Shaft, x2	AC
29	NSFTZ0145CEFW	J	Shaft, x2	AD
30	LANGT3276CEFW	J	Angle	AG
31	LANGT3277CEFW	J	Angle	AE
32	NSFTZ0140CEFW	J	Shaft, x5	AC
33	XBPSD26P04000	J	Screw, x10	AA
34	XBPSD30P06R00	J	Screw, x4	AB
37	XBPSD30P06R00	J	Screw, x14	AB
38	XEBSD30P10000	J	Screw, x6	AA
39	XTASD30P16000	J	Screw, x2	AA
40	XTASD40P20000	J	Screw, x6	AA
41	XTBSF30P30000	J	Screw	AB
42	NFANR0090CE00	J	PC Fan	BA
43	XBPSN30P10000	J	Screw, x4	AA
44	XBBSD30P14000	J	Screw, x2	AA
45	XEPSN40P12000	J	Screw, x6	AC
46	LX-HZ3084CEFN	J	Screw, x4	AB
48	9FJ0N00001950	J	Case Base	AN
49	9FJ0M41001120	J	Fan	AX
50	9FJ0O00101930	J	Angle	AH
51	RDENC0302CEZZ	J	Ballast Unit (The Ballast Unit is supplied only as an assembly.)	CC
52	PSLDM4600CEFW	J	PC Fan Shield	AH
53	NSFTZ0134CEFW	J	Shaft, for D-Sub, x6	AD
54	XBPSD40P08JS0	J	Screw	AA
55	XBPSD30P04000	J	Screw, x2	AA
56	9FJ0N00001960	J	Shield Case	AN
57	9FJ0L13901320	J	Shield Board	AG
58	9FJ0S89000020	J	Screw	AB
59	9FJ0A11901520	J	Insulation Barrier	AR
60	9FJ0A11901510	J	Insulation Barrier	AR
61	9FJ0G20002690	J	Circuit Board Spacer	AD
62	9FJ0G20002820	J	Circuit Board Spacer	AD
63	9FJ0S07004300	J	Screw	AC
64	9FJ0S08004300	J	Screw	AC
65	LX-HZ3103CEFD	J	Screw	AB
66	TLABZ0754CEZZ	J	Label	AD

CABINET AND MECHANICAL PARTS/ GEHÄUSE UND MECHANISCHE BAUTEILE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OPTICS MECHANISM PARTS

Ref. No.	Part No.	★	Description	Code
6	CCHSK0062CE09	J	Optics Macha. Ass'y	CQ
6-1	LCHSK0082CEKZ	J	Optics Mecha. Cover	BB
6-2	LCHSK0064CEKZ	J	Optics Mecha. Base	BB
6-3	LANGG1174CEFW	J	G Adjusting Plate	AP
6-4	CANGG1161CE03	J	B Adjusting Plate	AY
6-5	LANGG0110CEFW	J	Guide Plate-Top	AM
6-6	LANGG1126CEFW	J	Slide Plate, x3	AG
6-7	CANGG1161CE03	J	R Adjusting Plate	AY
6-8	LHLDZ3064CEZZ	J	Holder, for Prism	BA
6-9	LHLDZ9134CEKZ	J	M1 Adjust Lever	AG
6-10	LHLDZ9135CEKZ	J	M5 Adjust Lever	AF
6-11	LHLDZ9136CEKZ	J	M6 Adjust Lever	AF
6-12	LX-BZ3038GEFD	J	Screw M3-8, x6	AA
6-13	LX-BZ3370CEFD	J	Screw M2.66-6wsw, x11	AB
6-14	LX-BZ3388CEFD	J	Screw M2.6-5, x6	AE
6-15	MSPRP1199CEFW	J	Flyeye Fitting Spring, x2	AD
6-16	MSPRP1197CEFW	J	PBS Fitting Spring, x4	AE
6-17	MSPRP1198CEFW	J	Mirror Fitting Spring, x28	AD
6-18	NFANR0076CE00	J	Cooling Fan (Intake), x1	AT
6-19	NFANS0009CE00	J	Cooling Fan (Exhaust), x1	BB
6-20	PCAPH1056CESA	J	Lens Cap	AW
6-21	PDUC-0119CEKZ	J	PBS Duct Cover	AF
6-22	CANGG0107CE02	J	Polarizer Fixing Plate Adjusting Mechanism Ass'y	BV
6-22-1	LANGU9034CEFW	J	Polarizer Fixing Plate	AH
6-22-2	LANGU9035CEFW	J	Polarizer Fixing Plate Adjusting Lever R·G, x2	AF
6-22-3	LANGU9036CEFW	J	Polarizer Fixing Plate Adjusting Lever B	AF
6-22-4	LANGU9038CEFW	J	Thermistor Angle	AE
6-22-5	XBBSD20P04000	J	Screw, x1	AA
6-22-6	CANGU9037CE04	J	Polarizer Input Filter-R	BD
6-22-7	CANGU9037CE05	J	Polarizer Input Filter-G	BA
6-22-8	CANGU9037CE06	J	Polarizer Input Filter-B	BC
6-23	PDUC-0120CEKZ	J	Duct Holder	AV
6-24	PDUC-0118CEKZ	J	Angle, for Fan	AT
6-25	CBiM-0001DE29	J	Bimetal Ass'y	AY
⚠ 6-26	BQC-XGP10XE/1	J	Metal-Halide Lamp Unit	CQ
⚠ 6-26-1	CLMPF0064CE01	J	Lamp/Mirror Ass'y	CL
6-26-2	PCASZ1038CEKZ	J	Lamp Case	AR
6-26-4	LHLDZ3054CEFW	J	Handle	AE
6-26-5	MSPRK0084CEFW	J	Spring	AH
6-26-6	LX-WZ3102CEFN	J	Washer	AA
6-26-7	LX-NZ3108CEFN	J	Nut	AA
6-26-8	PCOVZ1092CEKZ	J	Cover	AF
6-26-10	TLABZ0761CEZZ	J	Label	AD
6-26-11	LX-BZ3270CEFN	J	Screw	AA
6-26-12	PSLDP3061CEFW	J	Shielding Plate	AE
6-26-13	LX-HZ3106CEFD	J	Screw, x2	AB
6-26-14	XEPSD30P10000	J	Screw	AA
6-26-15	PCOVZ3023CEFW	J	Cover, for Lamp	AN
6-26-16	HPNC-0463CEFW	J	Net, x2	AF
6-26-17	TLABZ0758CEZZ	J	Label	AD
6-27	LX-HZ3106CEFD	J	Screw, x2	AB
6-28	PGiDH0032CEFW	J	Flap	AG
6-29	PLNS-0126CEZZ	J	L1	BM
6-30	PLNS-0127CEZZ	J	L2, R	AZ
6-31	PLNS-0214CEZZ	J	G01	AZ
6-32	PLNS-0129CEZZ	J	G02	AW
6-33	PLNS-0214CEZZ	J	G03	BA
6-34	PLNS-0131CEZZ	J	Flyeye Lens (Incoming-Light)	BR
6-35	PLNS-0132CEZZ	J	Flyeye Lens (Outgoing-Light)	BP
6-36	CLNS-0169CE02	J	Projection Lens	CN
6-36-1	PMLT-0359CEZZ	J	Lens Spacer	AS
6-37	PMiR-0183CEZZ	J	Mirror-1	AP
6-38	PMiR-0268CEZZ	J	Mirror-2	BF
6-39	PMiR-0237CEZZ	J	Mirror-3	BL
6-40	PMiR-0186CEZZ	J	Mirror-4	AN
6-41	PMiR-0187CEZZ	J	Mirror-5	AN
6-42	PMiR-0186CEZZ	J	Mirror-6	AN
6-43	PMiR-0269CEZZ	J	PBS	CA
6-44	PMiR-0264CEZZ	J	Cross Prism (with Base)	CE
6-46	RLCDP0102CEN1	J	LCD Module Unit, Red	DK
6-47	RLCDP0103CEN1	J	LCD Module Unit, Green	DK
6-48	RLCDP0104CEN1	J	LCD Module Unit, Blue	DK
6-49	XAPSF20P05000	J	Screw M2-5, x2	AA
6-50	XBBSD30P08000	J	Screw M3-8, x10	AA
6-51	XBPSD40P10JS0	J	Screw M4-10, x4	AA
6-52	XBPSD40P30000	J	Screw M4-25, x2	AA
6-53	XBPSD20P06JS0	J	Screw M2-6, x1	AA
6-54	XEBSD40P12000	J	Screw M4-25, x3	AA
6-55	XEPSD40P35000	J	Screw M4-35, x2	AA
6-56	XSSSF20P06000	J	Screw M2-5, x9	AA
6-57	LANGT3278CEFW	J	PWB Plate	AE
6-58	LX-BZ3404CEFD	J	Screw M4-12, x4	AB
6-59	LHLDW1033CEKZ	J	Wire Holder	AA
6-60	NFANS0006CE00	J	Fan	BB
6-61	LANGK0682CEFW	J	Fan Plate	AG
6-62	XBPSD40P20000	J	Screw, x2	AC
6-63	LHLDW1046CEZZ	J	Wire Holder	AA
6-64	RH-HZ0048CEZZ	J	Thermistor (Q)	AN
6-66	PGiDH0036CEFW	J	Flap	AH
6-67	PSPAT0003CEZZ	J	Teflon Tape, x5	AA
6-68	PSLDP3059CEFW	J	PBS Aperture	AE
6-71	PSPAG0366CE00	J	Spacer	AD
6-74	PLNS-0127CEZZ	J	L2, G	AZ
6-75	LANGK0742CEFW	J	PF Plate for GB out PF, x2	AG
6-76	PCOVZ3007CEFW	J	Net	AG
6-77	PCOVZ3019CEFW	J	Net	AK
6-78	PFiLW0263CEZZ	J	G Out PF	BK
6-79	PFiLW0259CEZZ	J	B Out PF	BH
6-80	XiPSF20P02000	J	Screw, x6	AA
6-81	PFiLW0270CEZZ	J	UV Filter	BB
6-82	PSLDP9036CEFW	J	UV Aperture	AF
6-83	PGiDH0033CEFW	J	Flap	AE
6-84	PSPAZ0321CEZZ	J	Molt	AB
6-85	PSPAZ0383CEZZ	J	Spacer-A	AD
6-86	PSPAZ0384CEZZ	J	Spacer-B	AD
6-87	XEBSD30P10000	J	Screw, x1	AA
6-88	XBTSC40P12000	J	Screw, x3	AB

OPTICS MECHANISM PARTS/
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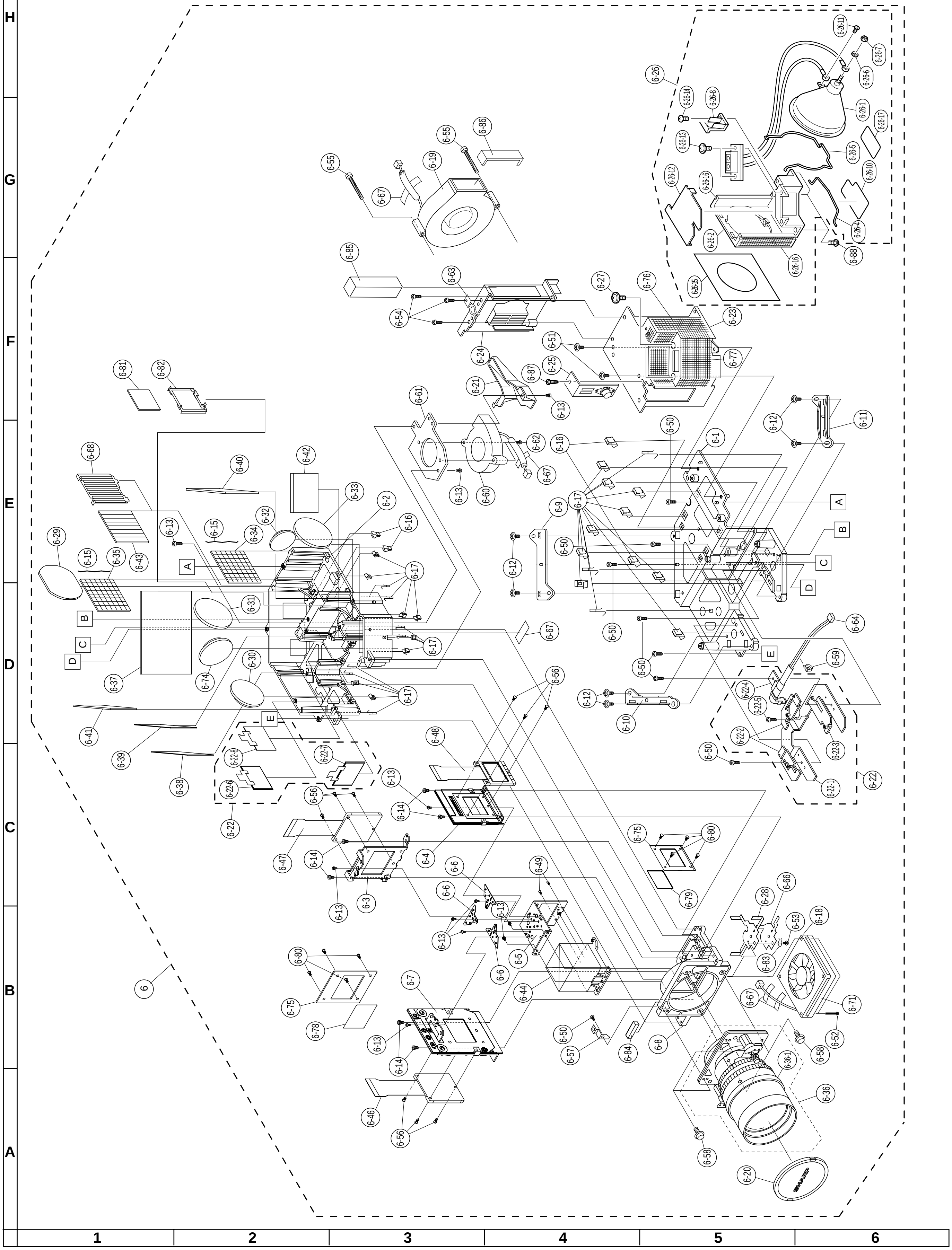
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SUPPLIED ACCESSORIES

Ref. No.	Part No.	★	Description	Code
	PFiLD0080CEZZ	J	Extra Air Filter	AE
⚠	QACCV4002CEZZ	J	AC Cord (for Europe)	AZ
⚠	QACCB5024CEZZ	J	AC Cord (for U.K. and Hong Kong)	BA
⚠	QACCL3022CEZZ	J	AC Cord (for Australia and New Zealand)	AZ
	QCNW-5304CEZZ	J	Computer RGB Cable	AV
	QCNW-4870CEZZ	J	Computer Audio Cable	AQ
	QCNW-5113CEZZ	J	PS/2 Mouse Control Cable	AN
	QCNW-5288CEZZ	J	DIN D-Sub RS-232C Cable	AM
	QCNW-5680CEZZ	J	USB Mouse Control Cable	AP
	QPLGJ0107GEZZ	J	BNC-RCA Adaptor	AR
	RRMCG1590CESA	J	Wireless R/C Unit	BR
	RUNTK0673CEZZ	J	Remote Mouse Receiver	BM
	UDSKA0026CEN1	J	CD-ROM	AQ
	TiNS-7068CEZZ	J	Operation Manual	AY
	TiNS-7069CEZZ	J	SAPS Operation Manual	AU
	TiNS-7070CEZZ	J	Quick Reference1	AH
	TiNS-7171CEZZ	J	Quick Reference2	AH
	TiNS-7172CEZZ	J	Quick Reference3	AG
	PCAPH1056CESA	J	Lens Cap	AW

ACCESSORIES (NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	TCAUZ3032CEZZ	–	Software Caution	—
	—	–	Two AA Size Batteries	—

PACKING PARTS
(NOT REPLACEMENT ITEM)

Ref. No.	Part No.	★	Description	Code
	SPAKC5449CEZZ	–	Packing Case	—
	SPAKP0805CEZZ	–	Polystyrene Cover	—
	SPAKX2910CEZZ	–	Buffer Material	—
	SPAKF0415CEZZ	–	Sleeve(Box for Accessories)	—
	TLABK0001TAZZ	–	Number Card	—

SERVICE JIGS
(Use for servicing)

Ref. No.	Part No.	★	Description	Code
	9DASPN-XGNV1U	J	Spanna, 3mm (Off-set Cam Adjustment)	BG
	9EQDRiVER-NV1A	J	Off-set Driver (Focus Adjustment)	CA
	9EQLNC-XGNV1U or 9EQLNC-XGNV4U	J	Hexagon Wrench, 2mm (Convergence Adjustment)	BA
	QCNW-4984CEZZ	J	Extension Cable 20-pin Signal (TN)-PC Terminal (TN)	BT
	QCNW-4985CEZZ	J	Extension Cable 28-pin Signal (CA)-Output (CA), Signal (CB)-Output (CB)	BG
	QCNW-4767CEZZ	J	Extension Cable 30-pin Signal (VS)-Video Board (VS)	BT
	QCNW-4851CEZZ	J	Extension Cable 60-pin Output (TC2)-PC I/F (TC2), Output (TC3)-PC I/F (TC3)	BX
	QCNW-4852CEZZ	J	Extension Cable 32-pin LCD Panel-Output	BH